A8050-3 X02

statistical

REPORT
March 12, 1982

U.S. FOREIGN TRADE IN MACHINE TOOLS
DECEMBER 1981

U.S. foreign trade in machine tools during the fourth quarter of 1981 produced a trade deficit of $169.8 million, bringing the total 1981 deficit to $455.3 million. Compared to 1980, U.S. exports increased 31% to an annual 1981 total of $1,027.6 million while U.S. imports of machine tools rose 14% over the same period, exceeding $1.4 billion for the year.

U.S. Machine Tool Trade
($Millions)

4th Qtr. 1981	Exports	Imports	Surplus (Deficit)
Metal Cutting	$135.7	$328.4	($192.8)
Metal Forming	$ 73.1	$ 50.1	$ 23.0
Total	$208.8	$378.6	($169.8)
Annual 1981			
Metal Cutting	$ 724.0	$1,291.5	($567.5)
Metal Forming	$ 303.6	$ 191.4	$112.1
Total	$1,027.6	$1,482.9	($455.3)

During 1981, the U.S. exported an estimated 18% of domestic machine tool production, up from 17% exported during 1980. Machine tool imports represented approximately 25% of the 1981 U.S. machine tool consumption, increasing a percentage point from the 1980 level of 24%.

EXPORTS

U.S. exports of metal cutting and metal forming machine tools totaled $724,005,000 and $303,568,000, respectively. Compared to 1980, exports of metal cutting machines increased 46%, while metal forming exports rose 5%. Particularly large increases occurred in exports of gear hobbers and shapers, grinding machines, and vertical boring-drilling-milling machines. The only major product type showing an export decline was machining centers. In the metal forming sector, export categories of hydraulic and pneumatic presses, and shearing machines increased significantly.

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Based on dollar values, U.S. exports to all regions except South America increased during 1981. The largest percentage changes occurred in Oceania and North and Central America which experienced significant gains in export share as well as dollar value. Regional comparisons are shown below for 1980 and 1981.

	U.S. Exports-1981		U.S. Exports-1980		%Change 81:80
	$ Mil.	% of Total	$ Mil.	% of Total	Dollar Value
N & C America	$520.5	50.7%	$304.4	38.8%	+71.0
Europe	231.8	22.6	228.0	29.0	+ 1.7
Asia	163.6	15.9	158.8	20.2	+ 3.0
South America	62.0	6.0	64.5	8.2	- 3.9
Africa	26.8	2.6	17.3	2.2	+54.9
Oceania	22.6	2.2	12.2	1.6	+85.2
	$1,027.6	100.0%	$785.3	100.0%	+30.9

Exports to seven countries represented 70% of total U.S. machine tool exports. Ranked by dollar value, the leading markets were:

	U.S. Exports-1981		U.S. Exports-1980		%Change 81:80
	$ Mil.	% of Total	$ Mil.	% of Total	Dollar Value
Mexico	$258.9	25.2%	$135.7	17.3%	+ 90.8
Canada	256.1	24.9	$162.4	20.7%	+ 57.7
United Kingdom	64.1	6.2	62.9	8.0	+ 1.9
Japan	54.2	5.3	59.1	7.5	- 8.3
West Germany	35.2	3.4	33.7	4.3	+ 4.5
France	29.2	2.8	21.3	2.7	+ 37.1
Brazil	24.2	2.4	19.2	2.4	+ 26.0
	$721.9	70.2%	$494.3	62.9%	+ 46.0

Mexico became the leading market for U.S. machine tools in 1981, accounting for 25% of total U.S. exports. Exports to Mexico represented the largest dollar increase in 1981. Compared to 1980, metal cutting exports more than doubled, reaching a total of $190.8 million for the year. Metal forming type exports increased 38% for a 1981 total of $68.1 million.

Metal cutting exports to Canada during 1981 were $208.0 million, 79% above the 1980 total. Exports of metal forming machines also increased, by 4%, to $48.2 million in 1981. Canada's 1981 total export share rose 4 percentage points to 25%.

U.S. exports to the United Kingdom increased 2% in 1981 to $64.1 million. Metal cutting exports reached $46.7 million, up 9% from 1980, while metal forming exports fell 14% to a yearly total of $17.3 million.

Japan was the only country of the top seven which showed a decline in total dollar value of machine tools purchased from the U.S. in 1981. Although metal cutting exports increased 6% to $40.8 million, metal forming exports fell 35% to $13.4 million.

Machine tool exports to West Germany rose to $35.2 million in 1981, a 5% increase over the previous year. Exports of metal cutting machinery increased 20% during 1981, to $27.3 million. However, metal forming exports of $7.9 million were down 28% from 1980. The overall annual market share of 3% was down slightly.

Purchases of U.S. machine tools by France totaled $29.2 million in 1981. While the French total share remained virtually unchanged from the previous year, there was a 37% increase in dollar value over 1980. Metal cutting exports rose 80% to $19.1 million in 1981 and metal forming exports fell slightly to $10.0 million.

Compared to 1980, U.S. exports to Brazil increased 26% to a total of $24.2 million. This increase was largely attributable to metal forming equipment exports, which more than doubled from 1980, to $9.5 million. Exports of metal cutting machines also rose slightly, to $14.7 million in 1981. Brazil's overall market share of 2% remained unchanged from 1980.

IMPORTS

The reported value of U.S. machine tool imports exceeded $1.4 billion during 1981. Metal cutting imports of $1,291.5 billion were 21% above the 1980 level, while metal forming imports fell 18% to $191.4 million in 1981. It should be noted that machine tool imports, as reflected in the government statistics, are actually undervalued. They reflect values in the country of origin and do not include ocean freight, insurance, dealer's commissions, or import duties. The purchaser in this country is paying significantly more for imported machine tools than is reported in the government import statistics.

In 1981, the most notable U.S. import increases occurred in the categories of machining centers, which more than doubled the 1980 total, and lathes where 1981 imports were up 22% over 1980. Four countries supplied 76% of 1981 U.S. machine tool imports. The dollar value of imports from each of these countries, with the exception of West Germany, rose substantially while their combined share of total U.S. imports increased slightly. Individual country shares declined for West Germany and Taiwan. Japan's share increased sharply.

	U.S. Imports-1981		U.S. Imports-1980		%Change 81:80
	$ Mil.	% of Total	$ Mil.	% of Total	Dollar Value
Japan	$687.5	46.4%	$492.0	37.9%	+39.7%
West Germany	192.3	13.0	235.9	18.2	-18.5
United Kingdom	136.1	9.2	117.3	9.0	+16.0
Taiwan	102.4	6.9	93.6	7.2	+ 9.4
	$1,118.3	75.5%	$938.8	72.3%	+19.1%

Japan supplied 46% of total U.S. machine tool imports during 1981, a significant gain from 38% in 1980 and 34% in 1979. Metal cutting imports during 1981 increased 45% to $627.4 million. Imports of metal forming machines from Japan rose 3% above the previous year to $60.1 million.

U.S. imports of metal cutting and metal forming machine tools from West Germany declined in 1981. Metal cutting imports of $148.4 million dropped only 1%, however, metal forming imports were only a little over half of the 1980 total at $44.0 million. These losses combined to represent only 13% of total U.S. imports during 1981, 5 percentage points below Germany's 1980 share.

The United Kingdom's share of total U.S. imports remained consistent with the previous year's level, at 9%, although the dollar value of imports rose 16% to $136.1 million in 1981. Metal cutting and metal forming imports both increased, by 16% and 15%, respectively. Metal cutting imports totaled $120.5 million, as metal forming purchases reached $15.6 million.

Taiwan represented the fourth largest source of U.S. imports in 1981. Of the $102.4 million import total, $101.6 million was comprised of metal cutting machine tools. This metal cutting total was 9% above the 1980 level and accounted for 8% of total U.S. metal cutting imports in 1981.

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U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1981

RELEASED: March 12, 1982

		TOTAL YTD		TOTAL NO.		AUSTRIA		BELGIUM	
		UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:	METAL CUTTING								
3020	Gear Hobbers & Shapers	233	22728	17	394	-	-	-	-
3035	Gear Cutting Machines, N.E.C.	357	39308	53	5358	-	-	-	-
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26'' or Less	54	5506	2	260	-	-	-	-
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26''	24	5888	-	-	-	-	-	-
3209	Horizontal Machining Centers, ATC, NC	109	27029	3	606	-	-	-	-
3211	Machining Centers, NC, N.E.C.	129	14998	5	1037	-	-	-	-
3216	Single Station and Multi-Station Transfer Machines	220	94197	4	3290	-	-	-	-
3225	Way Type Machines (Unit Heads)	19	3049	-	-	-	-	-	-
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	18	9504	2	1045	-	-	-	-
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	2	631	-	-	-	-	-	-
3247	Vertical Boring-Drilling-Milling Machines, NC	48	4908	3	174	-	-	-	-
3248	Horiz. Boring-Drilling-Milling Machines, non-NC	21	2755	1	286	-	-	-	-
3249	Vertical Boring-Drilling-Milling Machines, non-NC	481	37197	4	34	-	-	-	-
3254	Drilling Machines, NC	27	4246	-	-	-	-	-	-
3255	Drilling Machines, Multi-Spindle, non-NC	94	7751	5	403	-	-	-	-
3256	Drilling Machines, Radial, non-NC	63	1973	10	195	-	-	-	-
3257	Drilling Machines, Upright, Single Spindle, non-NC	95	2932	2	69	-	-	-	-
3258	Drilling Machines, non-NC, N.E.C.	287	7481	12	359	-	-	-	-
3264	Milling Machines, NC	45	22540	1	1491	-	-	-	-
3266	Milling Machines, Profiling, Dupl. & Die Sinking, non-NC	65	5532	-	-	-	-	-	-
3267	Milling Machines, Knee Type, non-NC	11	512	1	25	-	-	-	-
3268	Milling Machines, Bed Type, non-NC	18	1950	-	-	-	-	-	-
3269	Milling Machines, non-NC, N.E.C.	153	7262	14	997	-	-	-	-
3276	Vertical Boring Machines, incl. VTL's, NC	23	5319	1	476	-	-	-	-
3277	Vertical Boring Machines, incl. VTL's, non-NC	118	13396	8	882	-	-	-	-
3281	Boring Machines, NC, N.E.C.	7	1027	-	-	-	-	-	-
3283	Boring Machines, non-NC, N.E.C.	79	4700	11	335	-	-	-	-
3504	Horizontal Lathes, NC, Less Than 25 HP	101	6973	3	145	-	-	-	-
3506	Horizontal Lathes, NC, 25-50 HP	53	9508	4	618	-	-	-	-
3508	Horizontal Lathes, NC, Over 50 HP	11	3871	-	-	-	-	-	-
3510	Horizontal Engine & Toolroom Lathes, non-NC	308	5571	13	119	-	-	-	-
3511	Automatic Chucking Lathes, Single Spindle, non-NC	47	7453	3	482	-	-	-	-
3512	Automatic Chucking Lathes, Multi-Spindle, non-NC	35	4316	1	36	-	-	-	-
3515	Automatic Bar Machines, Single Spindle, non-NC	72	3208	6	480	-	-	-	-
3516	Automatic Bar Machines, Multi-Spindle, non-NC	84	7729	2	291	-	-	-	-
3518	Horizontal Lathes, non-NC, N.E.C.	522	18478	30	681	-	-	1	63
3519	Vertical Lathes, excl. VTL's, NC	25	3771	-	-	-	-	-	-
3525	Vertical Lathes, excl. VTL's, non-NC	210	19152	14	827	-	-	-	-
3528	Grinding, Polishing, Honing & Lapping Machines, NC	115	19466	7	1163	-	-	-	-
3529	Gear Tooth Grinding & Finishing Machines, non-NC	108	18097	4	751	-	-	-	-
3531	Tool & Cutter Grinding Machines, non-NC	406	9548	23	1007	-	-	-	-
3532	Honing & Lapping Machines, non-NC	449	9526	21	615	-	-	-	-
3533	Grinding Machines, Flat Surface Reciprocating Table, non-NC	205	3544	4	36	-	-	-	-
3538	Grinding Machines, Flat Surface, non-NC, N.E.C.	338	22672	21	1939	-	-	-	-
3541	External Grinding Machines, non-NC	110	15894	9	435	-	-	-	-
3542	Internal Grinding Machines, non-NC	36	5093	1	228	-	-	-	-
3544	Grinding, Polishing & Buffing Machines, non-NC, N.E.C.	269	11240	13	556	-	-	-	-
3546	Grinding Machines, non-NC, N.E.C.	766	29564	38	1447	-	-	-	-
3547	Traveling Wire Electrical Discharge Machines	50	1533	2	19	-	-	-	-
3549	All Other Electrical Discharge Machines	275	3627	18	177	-	-	-	-
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	5	494	-	-	-	-	-	-
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, non-NC	63	1430	7	284	-	-	-	-
3559	Metal Cutting Machine Tools, NC, N.E.C.	101	3488	-	-	-	-	-	-
3565	Sawing & Cut-off Machines, non-NC	755	12608	56	1059	-	-	1	109
3566	Broaching Machines, non-NC	228	15540	1	13	-	-	-	-
3567	Metal Cutting Machine Tools, non-NC, N.E.C.	685	21672	32	1649	-	-	-	-
4000	Metal Cutting Machine Tools, Used or Rebuilt*	4595	55424	217	7331	-	-	-	-
5000	Metal Cutting Machine Tools, Less Than $2500*	63195	19049	1672	867	-	-	-	-
	TOTAL CUTTING			2381	40976	-	-	2	172
	TOTAL CUTTING YTD	77022	724005			23	1190	3234	1645
674:	METAL FORMING								
1011	Die Casting Machines & Parts	-	15204	-	774	-	2	-	-
3568	Metal Forming Machine Tools, Used or Rebuilt	1620	22596	63	1363	-	-	-	-
3569	Metal Forming Machine Tools, Less Than $2500	9717	6140	554	331	-	-	12	5
3571	Punching & Shearing Machines, incl. Combination, NC	118	13756	12	1672	-	-	-	-
3573	Shearing Machines, non-NC	156	9174	19	1819	-	-	-	-
3575	Punching & Combination Punching & Shearing Machines, non-NC	921	22004	40	1073	-	-	-	-
3578	Bending, Folding, Straightening & Flattening Machines, NC	232	14524	39	1928	-	-	-	-
3582	Press Brakes, non-NC	130	5695	5	280	-	-	-	-
3583	Bending Rolls, Ram & Press Bending Machines, non-NC	57	2955	3	151	-	-	-	-
3584	Bending,Folding,Str. & Flattening Machines, non-NC, N.E.C.	769	22820	52	1084	-	-	-	-
3588	Mechanical Presses, non-NC	424	22922	29	1948	-	-	2	415
3589	Hydraulic Presses, Vertical, Single Action, non-NC	116	15008	5	432	-	-	-	-
3590	Hydraulic & Pneumatic Presses, non-NC, N.E.C.	623	41436	49	4785	-	-	-	-
3594	Headers & Upsetters, non-NC	79	7686	14	902	-	-	-	-
3595	Forging Machines, non-NC, N.E.C.	177	13636	8	809	-	-	-	-
3598	Metal Forming Machine Tools, non-NC, N.E.C.	1328	67941	105	3754	-	-	-	-
	TOTAL FORMING			997	23108	-	-	14	421
	TOTAL FORMING YTD	16467	303568			3	109	127	3223
	TOTAL ALL TYPES			3378	64084	-	-	16	593
	TOTAL ALL TYPES YTD	93489	1027573			26	1300	3361	4868

Source: U.S. Department of Commerce, Census Report No. EM522; National Machine Tool Builders' Association.

NOTES: 1) a/Dollar amount less than $500; 2) N.E.C. - Not Elsewhere Classified; 3) Individual items may not add to totals due to rounding. 4) Beginning in January 1980, foreign trade data for die casting machines are included in the metal forming total.

*Code 6744000 shown above represents combined data from codes 674:3015,3241,3252,3261,3272,3501,3526 & 3554.
Code 6745000 shown above represents combined data from codes 674:3243,3253,3262,3273,3502,3527 & 3557.

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1981

674:	DENMARK UNITS	$000	FINLAND UNITS	$000	FRANCE UNITS	$000	GREECE UNITS	$000	IRELAND UNITS	$000	ITALY UNITS	$000	NETHERLANDS UNITS	$000
3020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	-	-	-	-	1	6	-	-	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	1	137	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3528	-	-	-	-	-	-	-	-	-	-	1	181	-	-
3529	-	-	-	-	-	-	-	-	-	-	1	227	-	-
3531	-	-	-	-	2	691	-	-	-	-	-	-	-	-
3532	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3538	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3546	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3547	-	-	-	-	2	95	-	-	-	-	1	500	-	-
3549	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	2	30	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3565	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3566	-	-	-	-	-	-	-	-	-	-	-	-	3	63
3567	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5000	-	-	-	-	-	-	-	-	-	-	4	221	-	-
CUT MO.	-	-	-	-	8	959	-	-	-	-	459	24	28	17
CUT YTD	19	513	54	1263	439	19117	34	287	610	2959	1233	10059	3060	1530
1011	-	-	-	-	-	-	-	1	-	-	-	-	-	4
3568	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3569	-	-	6	2	17	6	-	-	-	-	4	91	-	-
3571	-	-	-	-	-	-	-	-	10	6	-	-	-	-
3573	-	-	-	-	-	-	-	-	-	-	2	182	-	-
3575	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3578	-	-	-	-	7	87	-	-	1	95	-	-	-	-
3582	-	-	-	-	2	115	-	-	-	-	-	-	-	-
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3588	-	-	-	-	1	14	-	-	-	-	-	-	1	25
3589	-	-	-	-	1	153	-	-	-	-	-	-	-	-
3590	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3594	-	-	-	-	1	1597	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	-	-	-	-	1	14	-	-	-	-	-	-	-	-
FRM MO.	-	-	6	2	30	1985	1	10	-	-	1	13	3	142
FRM YTD	42	772	24	543	460	10043	1	11	11	101	7	286	4	171
TOT MO.	-	-	6	2	38	2944	9	1127	83	8467	145	6618	392	5877
TOT YTD	61	1286	78	1806	899	29160	1	11	11	101	473	1439	35	251
							43	1414	693	11426	1378	16678	3452	7407

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1981

	NORWAY		POLAND		ROMANIA		SPAIN		SWEDEN		SWITZERLAND		U. KINGDOM	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:														
3020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	1	65	1	449	-	-	2	60
3204	-	-	-	-	-	-	-	-	-	-	1	95	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	2	214
3211	-	-	-	-	-	-	-	-	-	-	-	-	1	33
3216	-	-	-	-	-	-	-	-	-	-	-	-	1	1369
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	-	-	-	-	-	-	8	18
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	1	24	-	-	-	-	-	-	-	-	-	-
3528	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3529	-	-	-	-	-	-	-	-	2	648	-	-	-	-
3531	-	-	-	-	-	-	-	-	-	-	1	17	-	-
3532	-	-	-	-	-	-	2	309	-	-	12	110	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	1	11
3538	-	-	-	-	-	-	-	-	-	-	-	-	1	12
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3546	-	-	-	-	-	-	-	-	-	-	1	80	5	268
3547	-	-	-	-	-	-	-	-	-	-	1	6	-	-
3549	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3565	-	-	-	-	-	-	-	-	-	-	1	17	-	-
3566	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	-	-	-	-	-	-	-	-	2	45	-	-
4000	-	-	-	-	-	-	17	4575	-	-	2	4	5	217
5000	1	1	-	-	-	-	1	1	-	-	-	-	6	9
CUT MO.	1	1	1	24	-	-	21	4950	3	1097	21	374	28	2210
CUT YTD	478	701	1	24	8	1377	152	8228	232	3469	1036	7843	2097	46724
1011	-	4	-	-	-	-	-	-	-	1	-	-	-	32
3538	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3569	-	-	-	-	-	-	-	-	-	-	-	-	15	8
3571	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3573	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3575	-	-	-	-	-	-	-	-	-	-	-	-	3	139
3578	-	-	-	-	-	-	-	-	-	-	-	-	1	48
3582	-	-	-	-	-	-	-	-	-	-	-	-	1	45
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	-	-	-	-	-	-	3	275	-	-	-	-	-	-
3588	-	-	-	-	-	-	-	-	1	101	-	-	-	-
3589	-	-	-	-	-	-	-	-	1	87	-	-	-	-
3590	-	-	-	-	-	-	-	-	-	-	3	59	-	-
3594	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	2	404
3598	-	-	-	-	-	-	-	-	-	-	1	16	4	288
FRM MO.	-	-	-	-	-	-	3	275	2	189	4	75	26	964
FRM YTD	19	260	-	-	1	109	40	6003	71	1982	139	1376	677	17391
TOT MO.	1	5	1	24	-	-	24	5226	5	1286	25	449	54	3174
TOT YTD	497	962	1	24	9	1486	192	14230	303	5451	1175	9219	2774	64065

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1981

	USSR		W. GERMANY		YUGOSLAVIA		CANADA		MEXICO		OTH. WAC AM		ARGENTINA	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:														
3020	-	-	-	-	-	-	1	142	-	-	-	-	-	-
3045	-	-	21	751	-	-	7	57	2	40	-	-	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	1	393	-	-	-	-	-	-
3211	-	-	-	-	-	-	2	803	2	201	-	-	-	-
3216	-	-	-	-	-	-	-	-	2	1341	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	2	1045	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	1	35	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	1	286	-	-	-	-
3249	-	-	-	-	-	-	2	14	2	20	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	-	-	-	-	2	190	-	-	-	-
3256	-	-	-	-	-	-	-	-	10	195	-	-	-	-
3257	-	-	-	-	-	-	1	64	-	-	-	-	-	-
3258	-	-	-	-	-	-	1	28	1	179	3	83	-	-
3264	-	-	-	-	-	-	1	1491	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	-	-	1	663	4	104	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	1	476
3277	-	-	-	-	-	-	1	521	1	11	-	-	1	99
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	8	139	-	-	1	17	-	-	-	-	-	-
3504	-	-	-	-	-	-	1	66	-	-	1	42	-	-
3506	-	-	-	-	-	-	2	414	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	3	30	3	23	1	7	-	-
3511	-	-	-	-	-	-	3	482	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	3	274	-	-	3	207	-	-	-	-	-	-
3516	-	-	-	-	-	-	2	291	-	-	-	-	-	-
3518	-	-	-	-	-	-	4	39	14	178	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	-	-	-	-	2	389	3	58	-	-	-	-
3528	-	-	1	228	-	-	1	164	-	-	-	-	-	-
3529	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3531	-	-	-	-	-	-	9	66	2	16	1	34	-	-
3532	-	-	-	-	-	-	2	11	4	35	-	-	-	-
3533	-	-	-	-	-	-	3	24	-	-	-	-	-	-
3538	-	-	-	-	-	-	-	-	13	1631	-	-	1	13
3541	-	-	-	-	-	-	1	49	-	-	1	51	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	2	85	-	-	2	52	1	80	1	7	-	-
3546	-	-	8	54	-	-	8	192	3	143	-	-	-	-
3547	-	-	-	-	-	-	-	-	-	-	1	13	-	-
3549	-	-	-	-	-	-	-	-	-	-	1	56	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	2	109	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3565	-	-	-	-	-	-	32	385	8	317	-	-	1	16
3566	-	-	-	-	-	-	-	-	1	13	-	-	-	-
3567	-	-	4	340	-	-	4	625	10	196	1	48	-	-
4000	-	-	5	1	-	-	71	332	83	1563	-	-	-	-
5000	-	-	5	9	-	-	425	295	194	126	22	8	1	2
CUT NO.	-	-	57	1881	-	-	600	9342	368	7054	33	350	5	606
CUT YTD	33	15125	1627	27313	26	1768	24585	207959	10100	190777	3910	3020	162	4303
1011	-	-	-	7	-	-	-	297	-	217	-	-	-	-
3568	-	-	-	-	-	-	17	264	33	809	-	-	1	30
3569	-	-	9	7	-	-	177	117	38	33	1	1	-	-
3571	-	-	-	-	-	-	5	1034	-	-	-	-	-	-
3573	-	-	-	-	-	-	1	21	15	574	-	-	-	-
3575	-	-	-	-	-	-	7	87	7	60	1	15	-	-
3578	-	-	2	177	1	19	21	757	6	563	-	-	-	-
3582	-	-	-	-	-	-	-	-	3	154	-	-	-	-
3583	-	-	-	-	-	-	-	-	2	140	-	-	-	-
3584	-	-	1	25	-	-	22	245	8	90	1	22	-	-
3588	-	-	8	92	-	-	2	274	-	-	-	-	-	-
3589	-	-	-	-	-	-	1	139	-	-	-	-	-	-
3590	-	-	1	26	1	41	7	629	14	1858	-	-	-	-
3594	-	-	-	-	-	-	7	643	4	218	-	-	1	25
3595	-	-	-	-	-	-	3	240	1	136	1	13	-	-
3598	-	-	7	232	-	-	9	262	29	1506	-	-	1	48
FRM NO.	-	-	24	566	2	60	279	5008	160	6359	4	50	3	103
FRM YTD	53	1359	535	7688	9	3052	4608	48175	3130	68119	295	2493	109	3352
TOT NO.	-	-	81	2447	2	60	879	14351	528	13413	37	400	8	709
TOT YTD	86	16484	2162	35200	35	4820	29193	256134	13230	258896	4205	5513	271	7655

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1981

	BRAZIL		CHILE		COLOMBIA		PERU		VENEZUELA		OTH. S. AM.		INDIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	-	-	1	92	-	-	1	506
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	1	36	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	-	-	-	-	2	11	-	-	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	1	28	-	-	-	-	-	-	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	4	229
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	1	67	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	-	-	-	-	-	-	4	26
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	4	31	-	-	-	-	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	2	82	-	-	-	-	-	-	-	-	-	-
3528	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3529	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3531	1	4	-	-	-	-	-	-	-	-	-	-	-	-
3532	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3538	-	-	-	-	1	7	-	-	-	-	-	-	-	-
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	1	228
3544	-	-	-	-	-	-	-	-	-	-	1	106	-	-
3546	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3547	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3549	-	-	-	-	1	12	-	-	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3565	-	-	-	-	1	4	-	-	-	-	-	-	1	17
3566	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	2	199	-	-	-	-	-	-	-	-	-	-	-	-
4000	-	-	-	-	-	-	2	28	9	149	-	-	-	-
5000	4	4	4	4	-	-	-	-	9	10	9	6	-	-
CUT MO.	8	243	7	111	9	65	3	95	19	251	10	112	11	1006
CUT YTD	509	14706	2620	1280	428	2066	108	614	1785	7928	480	2310	254	10422
1011	-	-	-	-	-	-	-	-	-	12	-	70	-	-
3568	-	-	-	-	1	6	-	-	1	27	-	-	-	-
3569	5	4	9	3	1	1	-	-	34	21	-	-	-	-
3571	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3573	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3575	-	-	-	-	-	-	-	-	-	-	2	28	-	-
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	-	-	-	-	-	-	-	-	2	8	2	81	-	-
3588	-	-	-	-	-	-	-	-	-	-	-	-	1	34
3589	-	-	-	-	-	-	1	38	-	-	-	-	-	-
3590	-	-	1	191	-	-	-	-	12	123	-	-	-	-
3594	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	1	428	4	50	-	-	24	150	2	25	-	-	-	-
FRN MO.	6	432	14	243	2	7	25	188	51	216	4	179	1	34
FRN YTD	144	9484	87	926	181	2503	233	2846	796	7153	344	2512	87	4776
TOT MO.	14	674	21	354	11	72	28	283	70	467	14	291	12	1040
TOT YTD	653	24190	2707	2206	609	4569	341	3480	2581	15081	824	4821	341	15199

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1981

	IRAN		ISRAEL		JAPAN		KOREAN REP.		PHILLIPINES		SINGAPORE		TAIWAN	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:														
3020	-	-	1	44	15	208	-	-	-	-	-	-	-	-
3045	-	-	1	34	11	2996	-	-	-	-	2	252	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3216	-	-	-	-	1	581	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	1	103	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	1	62	-	-	-	-	-	-	2	151
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	1	5	-	-
3258	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	-	-	1	42	-	-	-	-	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	1	16	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3528	-	-	-	-	1	295	-	-	-	-	-	-	-	-
3529	-	-	-	-	1	90	-	-	-	-	-	-	-	-
3531	-	-	-	-	1	69	-	-	-	-	1	5	1	7
3532	-	-	-	-	1	152	-	-	-	-	-	-	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3538	-	-	-	-	2	104	-	-	-	-	-	-	3	172
3541	-	-	5	131	-	-	-	-	-	-	2	203	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	1	24	1	91	1	4	-	-	-	-	-	-
3546	-	-	-	-	1	9	-	-	-	-	-	-	-	-
3547	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3549	-	-	1	31	-	-	1	5	-	-	2	6	2	34
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	1	3
3565	-	-	-	-	1	2	-	-	-	-	-	-	-	-
3566	-	-	-	-	-	-	-	-	-	-	-	-	1	13
3567	-	-	-	-	-	-	-	-	-	-	2	141	-	-
4000	-	-	3	12	1	7	-	-	-	-	21	8	-	-
5000	-	-	8	11	26	13	34	47	-	-	31	620	10	381
CUT NO.	-	-	20	287	66	4821	37	72	-	-	31	620	10	381
CUT YTD	1	21	352	5256	2268	40803	624	12695	346	1940	1382	10395	294	6491
1011	-	-	-	-	-	104	-	-	-	2	-	-	-	-
3554	-	-	-	-	2	45	-	-	-	-	-	-	-	-
3569	-	-	36	26	9	4	-	-	84	29	2	1	-	-
3571	-	-	1	140	1	88	-	-	-	-	1	34	-	-
3573	-	-	2	78	-	-	-	-	-	-	-	-	1	1146
3575	-	-	-	-	2	17	-	-	-	-	1	10	-	-
3578	-	-	-	-	1	159	1	16	-	-	4	75	-	-
3582	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3584	-	-	-	-	-	-	-	-	-	-	-	-	1	70
3588	-	-	-	-	15	538	-	-	-	-	-	-	-	-
3589	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3590	-	-	-	-	2	181	-	-	-	-	-	-	-	-
3594	-	-	1	8	1	8	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	-	-	2	44	1	19	-	-	2	12	-	-	-	-
FRM NO.	-	-	42	296	34	1162	1	16	86	42	8	119	2	1217
FRM YTD	1	5	249	2412	355	13411	79	2329	193	1305	656	3335	139	9697
TOT NO.	-	-	62	582	100	5983	38	88	86	42	39	739	12	1598
TOT YTD	2	26	601	7668	2623	54214	703	15024	539	3246	2038	13730	433	16189

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1981

	TURKEY		OTHER ASIA		AUSTRALIA		N. ZEALAND		NEP./S.AFR.		OTH. AFRICA		ALL OT CTRY	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
674:														
3020	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	1	15	1	9	-	-	1	28
3204	-	-	-	-	-	-	-	-	1	165	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3216	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3255	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	-	-	-	-	-	-	-	-	-	-	6	52	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	1	25	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	-	-	1	5	2	140	-	-	-	-	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	-	-	-	-	1	22	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	1	164	-	-	-	-	-	-	-	-
3504	-	-	1	38	-	-	-	-	-	-	-	-	-	-
3506	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	1	29	1	5	-	-	-	-	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	1	36	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	2	8	-	-	-	-	3	251	2	12	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	2	35	-	-	1	32	-	-	1	9	-	-	1	18
3528	-	-	-	-	1	193	-	-	2	56	-	-	-	-
3529	-	-	-	-	1	12	-	-	-	-	-	-	-	-
3531	-	-	3	89	-	-	1	9	-	-	-	-	-	-
3532	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3538	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	-	-	-	-	-	-	-	-	3	107	-	-	-	-
3546	-	-	7	93	-	-	-	-	2	14	-	-	-	-
3547	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3549	-	-	9	33	-	-	1	1	-	-	-	-	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	1	11	2	133	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3569	1	18	4	37	-	-	-	-	1	72	-	-	-	-
3566	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	4	48	1	19	2	64	-	-	1	53	-	-
4000	2	29	10	48	1	4	-	-	-	-	-	-	-	-
5000	-	-	301	213	2	3	1	1	75	82	36	14	-	-
CUT MO.	6	111	346	687	13	722	6	89	89	865	43	130	2	47
CUT YTD	72	934	4560	16962	2665	15329	43	320	2518	8518	960	4933	1600	2735
1011	-	-	-	2	-	16	-	-	-	5	-	-	-	-
3568	1	16	1	3	2	73	-	-	-	-	-	-	-	-
3569	-	-	65	51	22	6	-	-	-	-	1	1	1	1
3571	-	-	-	-	-	-	-	-	2	195	-	-	-	-
3573	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3575	-	-	3	63	-	-	-	-	3	102	3	371	-	-
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	-	-	-	-	-	-	-	-	1	81	-	-	-	-
3583	-	-	1	11	-	-	-	-	-	-	-	-	-	-
3584	1	9	3	77	3	110	-	-	2	28	1	6	-	-
3588	-	-	3	340	-	-	-	-	-	-	-	-	-	-
3589	-	-	-	-	1	82	-	-	1	86	-	-	-	-
3590	-	-	3	49	2	12	-	-	-	-	-	-	2	20
3594	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	-	-	10	400	1	4	-	-	2	106	-	-	-	-
FBN MO.	2	24	89	995	31	303	-	-	11	602	5	378	3	21
FBN YTD	31	511	992	19891	354	6246	122	421	271	8346	89	5047	106	2034
TOT MO.	8	135	435	1682	44	1024	6	89	100	1467	48	508	5	68
TOT YTD	103	1445	5552	36853	3019	21575	165	741	2776	16[illegible]4	1049	9980	1706	4769

DECEMBER 1981 - U.S EXPORTS OF MACHINE TOOLS
Total and Countries of Destination
The following is a breakdown of the activity by country which is included in the ALL OTHER columns.

	METAL CUTTING UNITS	METAL CUTTING $000	METAL FORMING UNITS	METAL FORMING $000	TOTAL UNITS	TOTAL $000
EUROPE						
AZORES	-	-	-	-	-	-
BULGARIA	1	28	-	-	1	28
CYPRUS	-	-	-	-	-	-
CZECHOSLOVAKIA	-	-	-	-	-	-
E GERMANY	-	-	-	-	-	-
HUNGARY	-	-	-	-	-	-
ICELAND	-	-	-	-	-	-
PORTUGAL	1	18	2	20	3	38
GIBRALTAR	-	-	-	-	-	-
MALTA	-	-	-	-	-	-
TOTAL	2	47	2	20	4	67
OTHER N.&C.AM						
BAHAMAS	6	1	-	-	6	1
BARBADOS	1	7	-	-	1	7
BELIZE	-	-	-	-	-	-
BERMUDA	-	-	-	-	-	-
CAYMAN	-	-	-	-	-	-
COSTA RICA	3	83	-	-	3	83
DOMINICAN REP.	2	14	1	13	3	27
FR. W. INDIES	-	-	-	-	-	-
GUATEMALA	11	9	-	-	11	9
HAITI	1	56	1	1	2	57
HONDURAS	2	43	-	-	2	43
JAMAICA	2	49	-	-	2	49
LW & WW IS.	1	1	1	15	2	16
NICARAGUA	-	-	-	-	-	-
N. ANTILLES	-	-	-	-	-	-
PANAMA	1	1	1	22	2	22
SALVADOR	1	1	-	-	1	1
TRINIDAD	2	86	-	-	2	86
TOTAL	33	350	4	50	37	400
OTHER S. AMER						
BOLIVIA	-	-	-	-	-	-
ECUADOR	1	106	2	92	3	198
FRENCH GUIANA	-	-	-	-	-	-
GUYANA	-	-	-	-	-	-
PARAGUAY	7	3	-	-	7	3
SURINAM	-	-	2	81	2	81
URUGUAY	2	4	-	-	2	4
TOTAL	10	112	4	179	14	291
OTHER ASIA						
AFGHANISTAN	-	-	-	-	-	-
AIEN	-	-	-	-	-	-
ARAB EMIRATES	10	14	-	-	10	14
BAHRAIN	1	46	-	-	1	46
BANGLADESH	-	-	-	-	-	-
BRUNEI	-	-	-	-	-	-
BURMA	-	-	-	-	-	-
CHINA	4	50	-	-	4	50
GAZA STRIP	-	-	-	-	-	-
HONG KONG	4	3	1	10	5	12
INDONESIA	2	5	41	763	43	768
IRAQ	6	26	-	-	6	26
JORDAN	-	-	-	-	-	-
KUWAIT	49	55	-	-	49	55
LEBANON	-	-	-	-	-	-
MALAYSIA	1	11	9	91	10	101
NEPAL	-	-	-	-	-	-
OMAN	-	-	-	-	-	-
PAKISTAN	1	33	-	-	1	33
QATAR	1	6	-	-	1	6
SAUDI ARABIA	236	399	36	126	272	525
SRI LANKA	-	-	-	-	-	-
SYRIA	-	-	-	-	-	-
THAILAND	31	41	2	5	33	46
YEMEN	-	-	-	-	-	-
TOTAL	346	687	89	995	435	1682

	METAL CUTTING UNITS	METAL CUTTING $000	METAL FORMING UNITS	METAL FORMING $000	TOTAL UNITS	TOTAL $000
OTHER OCEANIA						
FR. PAC. IS.	-	-	-	-	-	-
NEW GUINEA	-	-	-	-	-	-
TERR. PAC. IS.	-	-	1	1	1	1
OTH. PAC. IS.	-	-	-	-	-	-
TOTAL	-	-	1	1	1	1
OTHER AFRICA						
BOTSWANA	-	-	-	-	-	-
ALGERIA	-	-	-	-	-	-
ANGOLA	16	12	-	-	16	12
BENIN	-	-	-	-	-	-
CAMEROON	-	-	-	-	-	-
CANARY ISLANDS	-	-	-	-	-	-
DAHOMEY	-	-	-	-	-	-
EGYPT	-	-	5	378	5	378
ETHIOPIA	-	-	-	-	-	-
GABON	-	-	-	-	-	-
GHANA	20	2	-	-	20	2
GUINEA	-	-	-	-	-	-
KENYA	-	-	-	-	-	-
LIBERIA	-	-	-	-	-	-
LIBYA	2	12	-	-	2	12
MALAWI	-	-	-	-	-	-
MAURITANIA	-	-	-	-	-	-
MOROCCO	1	53	-	-	1	53
MOZAMBIQUE	-	-	-	-	-	-
NIGER	-	-	-	-	-	-
NIGERIA	-	-	-	-	-	-
RWANDA	-	-	-	-	-	-
SENEGAL	-	-	-	-	-	-
SIERRA LEONE	-	-	-	-	-	-
SOMALIA	-	-	-	-	-	-
S. W. AFRICA	-	-	-	-	-	-
SUDAN	-	-	-	-	-	-
SWAZILAND	-	-	-	-	-	-
TANZANIA	-	-	-	-	-	-
TUNISIA	-	-	-	-	-	-
ZIMBABWE	-	-	-	-	-	-
WEST AFRICA	-	-	-	-	-	-
ZAIRE	-	-	-	-	-	-
ZAMBIA	-	-	-	-	-	-
OTH WEST AFR.	-	-	-	-	-	-
IVORY COAST	-	-	-	-	-	-
MAURITIUS	-	-	-	-	-	-
TOGO	4	52	-	-	4	52
TOTAL	43	130	5	378	48	508

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1981

RELEASED: March 12, 1982

674:	METAL CUTTING	TOTAL UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000	AUSTRIA UNITS	AUSTRIA $000	BELGIUM UNITS	BELGIUM $000
3025	Gear Hobbers	213	19366	35	3032	-	-	-	-
3035	Gear Shapers	12	1846	-	-	-	-	-	-
3045	Gear Cutting Machines, N.E.C.	19	3942	1	432	-	-	-	-
3204	Vertical Mach. Ctrs. ATC, NC, X-Axis Travel 26'' or Less	1127	90723	86	5901	-	-	-	-
3206	Vertical Mach. Ctrs. ATC, NC, X-Axis Travel Over 26''	121	16825	7	736	-	-	-	-
3209	Horizontal Machining Centers, ATC, NC	381	52634	19	3234	-	-	-	-
3211	Machining Centers, NC, N.E.C.	378	35533	28	2739	-	-	-	-
3212	Single Station and Multi-Station Transfer Machines	35	8259	1	1248	-	-	-	-
3213	Way Type Machines (Unit Heads)	2	219	-	-	-	-	-	-
3217	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	20	5199	2	375	-	-	-	-
3218	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	-	-	-	-	-	-	-	-
3219	Vertical Boring-Drilling-Milling Machines,NC	23	3987	1	252	-	-	-	-
3222	Horiz. Boring-Drilling-Milling Machines,non-NC	211	22017	14	1857	-	-	-	-
3223	Vertical Boring-Drilling-Milling Machines,non-NC	2224	18676	213	2118	-	-	-	-
3228	Drilling Machines,NC	29	2016	2	53	-	-	-	-
3229	Drilling Machines, Multi-Spindle, non-NC	80	3923	8	173	-	-	-	-
3234	Drilling Machines, Radial, non-NC	1485	12095	88	825	-	-	-	-
3236	Drilling Machines, Upright, Single Spindle, non-NC	234	1439	18	98	-	-	-	-
3242	Drilling Machines, non-NC, N.E.C.	410	6967	15	225	-	-	-	-
3264	Milling Machines, NC	379	27406	53	639	-	-	-	-
3266	Milling Machines, Profiling, Rupl. & Die Sinking, non-NC	338	6181	32	460	-	-	-	-
3267	Milling Machines, Knee Type, non-NC	4041	30975	308	2642	-	-	-	-
3268	Milling Machines, Bed Type, non-NC	626	16841	36	895	-	-	-	-
3269	Milling Machines, non-NC, N.E.C.	5050	43323	394	3573	-	-	-	-
3276	Vertical Boring Machines, incl. VTL's, NC	33	5370	1	36	-	-	-	-
3277	Vertical Boring Machines, incl. VTL's, non-NC	322	10947	20	1542	-	-	-	-
3281	Boring Machines, NC, N.E.C.	16	4414	-	-	-	-	-	-
3283	Boring Machines, non-NC, N.E.C.	309	16080	7	896	-	-	-	-
3507	Horizontal Lathes, NC, Less Than 25 HP	1934	122101	187	9448	-	-	-	-
3509	Horizontal Lathes, NC, 25-50 HP	1307	120302	65	6156	-	-	-	-
3511	Horizontal Lathes, NC, Over 50 HP	267	35554	20	3064	-	-	2	163
3512	Horizontal Engine & Toolroom Lathes, non-NC	7786	74248	574	5559	-	-	-	-
3513	Automatic Chucking Lathes, Single Spindle, non-NC	166	5773	3	49	-	-	-	-
3514	Automatic Chucking Lathes, Multi-Spindle, non-NC	129	7791	9	335	-	-	-	-
3515	Automatic Bar Machines, Single Spindle, non-NC	325	8290	16	574	-	-	-	-
3516	Automatic Bar Machines, Multi-Spindle, non-NC	120	11141	8	958	-	-	-	-
3518	Horizontal Lathes, non-NC, N.E.C.	1026	27637	79	2837	-	-	1	130
3521	Vertical Lathes, excl. VTL's, NC	270	26398	9	1592	-	-	-	-
3522	Vertical Lathes, excl. VTL's, non-NC	2115	40523	91	2774	9	44	-	-
3527	Gear Tooth Grinding & Finishing Machines	123	11822	8	1123	-	-	-	-
3528	Tool & Cutter Grinding Machines, NC	134	9029	8	348	-	-	-	-
3529	Tool & Cutter Grinding Machines, non-NC	1236	18167	122	1404	-	-	-	-
3533	Honing & Lapping Machines	180	9476	7	909	-	-	-	-
3539	Grinding Machines, Flat Surface, NC	42	4272	3	174	-	-	-	-
3541	Grinding Machines, Flat Surface Reciprocating Table,non-NC	598	11596	24	666	-	-	-	-
3543	Grinding Machines, Flat Surface, non-NC, N.E.C.	1289	25570	101	1776	-	-	-	-
3546	Grinding & Polishing Machines, NC, N.E.C.	33	3324	4	445	-	-	-	-
3554	External Grinding Machines, non-NC	619	25882	28	1023	-	-	3	153
3556	Internal Grinding Machines, non-NC	114	4877	12	300	-	-	-	-
3558	Grinding, Polishing & Buffing Machines, non-NC, N.E.C.	201	7109	17	792	-	-	-	-
3559	Grinding Machines, non-NC, N.E.C.	888	17853	96	1732	-	-	-	-
3562	Traveling Wire Electrical Discharge Machines	418	18104	21	650	-	-	-	-
3564	All Other Electrical Discharge Machines	147	7567	6	207	-	-	-	-
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	130	5116	7	747	-	-	-	-
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, non-NC	104	5313	6	309	-	-	-	-
3576	Metal Cutting Machine Tools, NC, N.E.C.	30	2437	2	152	1	100	-	-
3577	Sawing & Cut-off Machines, non-NC	1232	13235	61	751	-	-	-	-
3578	Broaching Machines, non-NC	54	4437	1	5	-	-	-	-
3579	Metal Cutting Machine Tools, non-NC, N.E.C.	749	22379	47	1748	3	8	-	-
4000	Metal Cutting Machine Tools, Used or Rebuilt*	5007	45922	382	3763	1	2	2	14
5000	Metal Cutting Machine Tools, Less Than $2500*	893490	70886	71394	5755	325	175	-	-
	TOTAL CUTTING			74807	92120	339	329	8	459
	TOTAL CUTTING YTD	940381	1291478			1901	1999	500	10770
674:	METAL FORMING								
1010	Die Casting Machines	150	4179	18	496	-	-	-	-
3582	Metal Forming Machine Tools, Used or Rebuilt	784	5524	64	365	-	-	-	-
3583	Metal Forming Machine Tools, Less Than $2500	18279	4514	1774	339	1	2	7	13
3584	Punching & Shearing Machines, incl. Combination, NC	254	29835	23	3288	-	-	-	-
3586	Shearing Machines, non-NC	720	11513	57	1072	-	-	15	296
3587	Punching & Combination Punching & Shearing Machines, non-NC	669	9646	12	246	-	-	-	-
3588	Bending, Folding, Straightening & Flattening Machines, NC	40	2648	2	322	-	-	-	-
3589	Press Brakes, non-NC	432	7066	35	664	-	-	8	129
3591	Bending Rolls, Ram & Press Bending Machines, non-NC	213	5085	19	204	-	-	-	-
3592	Bending,Folding,Str. & Flattening Machines, non-NC, N.E.C.	912	15282	97	1203	-	-	-	-
3593	Metal Forming Machine Tools, NC, N.E.C.	17	1930	1	22	-	-	-	-
3594	Mechanical Presses, non-NC	168	16164	22	3446	-	-	-	-
3595	Hydraulic Presses, Vertical, Single Action, non-NC	79	4027	7	83	-	-	-	-
3596	Hydraulic & Pneumatic Presses, non-NC, N.E.C.	362	24140	16	741	-	-	-	-
3597	Headers & Upsetters, non-NC	159	13941	6	416	-	-	-	-
3598	Forging Machines, non-NC, N.E.C.	37	1812	2	80	-	-	-	-
3599	Metal Forming Machine Tools, non-NC, N.E.C.	938	34077	85	3742	-	-	-	-
	TOTAL FORMING			2210	16729	1	2	30	437
	TOTAL FORMING YTD	24213	191425			4	103	155	7724
	TOTAL ALL TYPES			77017	108849	340	330	38	897
	TOTAL ALL TYPES YTD	964594	1482903			1905	2102	655	18493

Source: U.S. Department of Commerce, Census Report No. IM146; National Machine Tool Builders' Association.

NOTES: 1) a/Dollar amount less than $500; 2) N.E.C. - Not Elsewhere Classified; 3) Individual items may not add to totals due to rounding.
4) Machine tool imports, as reflected in the government statistics, are actually undervalued since they reflect values in the country of origin and do not include ocean freight, insurance, dealer's commission or import duties.
5) Beginning in January 1980, foreign trade data for die casting machines are included in the metal forming total. U.S. die casting imports are not available for previous years.

*Code 6748000 shown above represents combined data from codes 674:3015,3215,3226,3261,3272,3502,3524 & 3573.
Code 6749000 shown above represents combined data from codes 674:3227,3262,3273,3503,3526 & 3574.

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1991

674	CZECHO.		DENMARK		E. GERMANY		FRANCE		ITALY		NETHERLANDS		NORWAY	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	-	-	-	-	1	38	-	-	-	-	-	-	-	-
3035	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3212	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3213	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3217	1	37	-	-	-	-	-	-	-	-	-	-	-	-
3218	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3219	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3222	-	-	-	-	1	50	-	-	-	-	-	-	-	-
3223	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3228	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3229	-	-	-	-	-	-	-	-	3	99	-	-	-	-
3234	1	18	-	-	-	-	-	-	10	115	-	-	-	-
3236	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3242	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3264	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	1	16	-	-	-	-
3268	-	-	-	-	-	-	2	83	-	-	-	-	-	-
3269	1	9	-	-	2	31	1	7	2	17	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	1	133	-	-	-	-	-	-	2	31	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	1	94	-	-	-	-	-	-	-	-	-	-	-	-
3507	-	-	-	-	-	-	5	245	2	92	-	-	-	-
3509	-	-	-	-	-	-	2	229	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	4	27	-	-	-	-	-	-	12	201	-	-	-	-
3513	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3514	-	-	-	-	-	-	2	35	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3521	-	-	-	-	-	-	2	1116	-	-	-	-	-	-
3522	3	23	-	-	-	-	1	73	-	-	-	-	-	-
3527	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3528	-	-	1	6	-	-	-	-	-	-	-	-	-	-
3529	1	3	5	28	-	-	-	-	1	3	4	87	-	-
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3539	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3541	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3543	-	-	-	-	-	-	-	-	15	153	-	-	-	-
3546	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3554	2	15	-	-	-	-	-	-	1	29	2	94	-	-
3556	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3558	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3559	-	-	-	-	-	-	2	6	2	86	2	38	-	-
3562	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3564	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3571	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3576	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3577	-	-	-	-	-	-	1	62	4	76	-	-	-	-
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3579	-	-	-	-	-	-	2	9	13	183	-	-	-	-
4000	6	106	-	-	3	18	10	171	9	119	6	19	-	-
5000	8	12	35	25	-	-	44	47	1638	280	4	2	-	-
CUT MO.	29	477	41	58	7	132	74	2100	1715	1437	18	216	-	-
CUT YTD	432	4625	832	1312	137	2881	3015	28593	7968	21990	773	4364	19	63
1010	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3582	3	40	-	-	-	-	3	7	1	5	-	-	1	8
3583	-	-	3	4	-	-	12	5	273	35	1	6/	4	2
3584	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3586	-	-	6	36	-	-	-	-	-	-	-	-	-	-
3587	-	-	-	-	-	-	-	-	1	14	-	-	-	-
3588	-	-	-	-	-	-	2	332	-	-	-	-	-	-
3589	-	-	1	15	-	-	-	-	-	-	-	-	-	-
3591	-	-	-	-	-	-	-	-	6	21	-	-	-	-
3592	-	-	-	-	-	-	4	394	28	424	-	-	-	-
3593	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3594	-	-	-	-	-	-	-	-	1	4	-	-	-	-
3595	-	-	-	-	-	-	-	-	6	38	-	-	-	-
3596	-	-	-	-	-	-	1	83	-	-	-	-	-	-
3597	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3598	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3599	-	-	-	-	-	-	3	995	4	393	-	-	4	185
FRM MO.	3	40	10	56	-	-	25	1447	319	935	1	6/	9	195
FRM YTD	5	41	111	1569	3	22	732	9870	1930	11340	36	633	27	721
TOT MO.	32	517	51	114	7	132	99	3767	2034	2372	19	216	9	195
TOT YTD	437	4667	943	2880	140	2903	3741	38462	9898	42890	809	4997	46	784

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1981

	POLAND		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND		U. KINGDOM		W. GERMANY	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	-	-	-	-	-	-	-	-	3	135	-	-	27	2458
3035	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	-	-	-	-	-	-	1	432
3204	-	-	-	-	-	-	-	-	-	-	-	-	9	273
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3212	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3213	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3217	-	-	-	-	-	-	-	-	-	-	-	-	1	338
3218	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3219	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3222	-	-	-	-	1	153	-	-	-	-	2	116	-	-
3223	-	-	-	-	-	-	-	-	3	747	3	65	25	739
3228	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3229	-	-	-	-	2	38	-	-	1	31	-	-	-	-
3234	5	102	-	-	7	77	-	-	-	-	-	-	-	-
3236	-	-	-	-	2	7	11	74	-	-	-	-	3	12
3242	-	-	-	-	7	30	-	-	2	87	-	-	2	81
3264	-	-	-	-	-	-	1	52	-	-	-	-	-	-
3266	-	-	-	-	-	-	-	-	1	264	-	-	4	58
3267	32	440	-	-	157	659	8	136	-	-	10	606	8	42
3268	-	-	-	-	-	-	-	-	-	-	2	85	2	146
3269	-	-	-	-	6	64	-	-	6	132	8	983	2	702
3270	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	6	383	-	-	-	-	-	-	1	18	2	315	2	384
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	-	-	-	-	-	-	4	674	1	30
3507	-	-	-	-	-	-	-	-	-	-	2	178	1	60
3509	-	-	-	-	-	-	1	137	-	-	-	-	8	665
3511	-	-	-	-	-	-	6	985	-	-	1	111	4	701
3512	74	739	-	-	11	262	1	8	-	-	73	645	-	-
3513	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3514	-	-	-	-	-	-	-	-	4	72	2	161	-	-
3515	-	-	-	-	-	-	-	-	3	88	-	-	7	231
3516	-	-	-	-	-	-	-	-	3	280	5	679	-	-
3518	-	-	-	-	-	-	-	-	1	177	2	241	2	7
3521	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3522	3	77	-	-	2	38	-	-	2	917	1	6	13	636
3527	-	-	-	-	-	-	-	-	5	785	1	5	2	354
3528	-	-	-	-	-	-	-	-	4	67	-	-	-	-
3529	-	-	-	-	3	11	-	-	15	502	32	449	9	126
3533	-	-	-	-	-	-	-	-	7	909	-	-	-	-
3538	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3541	-	-	-	-	-	-	-	-	-	-	-	-	5	402
3543	-	-	-	-	5	16	-	-	2	135	9	234	4	300
3546	-	-	-	-	-	-	-	-	-	-	-	-	1	299
3554	1	61	-	-	1	59	-	-	3	161	4	99	1	174
3556	-	-	-	-	-	-	-	-	-	-	-	-	1	70
3558	-	-	-	-	1	37	-	-	4	598	-	-	6	55
3559	7	52	-	-	-	-	2	11	5	253	6	60	6	289
3562	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3564	-	-	-	-	3	60	-	-	1	28	1	97	-	-
3567	-	-	-	-	-	-	-	-	-	-	7	797	-	-
3571	-	-	-	-	-	-	-	-	-	-	-	-	3	46
3576	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3577	-	-	-	-	10	67	-	-	1	14	-	-	17	176
3578	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3579	-	-	-	-	-	-	2	14	2	277	12	294	3	834
4000	3	14	-	-	1	14	17	119	5	28	242	1311	23	446
9000	1	1	-	-	11	21	69	91	399	41	229	140	303	117
CUT NO.	132	1868	-	-	230	1580	118	1626	433	6199	670	8171	516	11880
CUT YTD	1067	15793	245	727	2038	21800	1694	19930	3133	65406	9941	120504	15110	148371
1010	-	-	-	-	-	-	-	-	-	-	6	32	1	49
2020	-	-	-	-	-	-	6	31	-	-	28	83	18	188
2583	-	-	-	-	-	-	1	1	17	6	269	48	296	34
2584	-	-	-	-	-	-	-	-	1	256	-	-	5	1974
2586	-	-	-	-	-	-	3	58	-	-	8	107	2	12
2587	-	-	-	-	-	-	2	98	-	-	-	-	9	134
2588	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2589	-	-	-	-	-	-	8	110	-	-	-	-	-	-
2591	-	-	-	-	-	-	11	121	-	-	-	-	1	3
2592	-	-	-	-	-	-	-	-	1	14	3	15	14	260
2593	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2594	-	-	-	-	1	15	-	-	-	-	3	66	2	319
2595	-	-	-	-	-	-	-	-	-	-	-	-	1	95
2596	-	-	-	-	1	35	-	-	-	-	3	15	1	77
2597	-	-	-	-	-	-	-	-	-	-	-	-	2	213
2598	-	-	-	-	-	-	-	-	-	-	-	-	1	95
2599	-	-	-	-	3	51	2	18	6	363	16	291	25	346
FRH NO.	-	-	-	-	5	100	29	458	25	617	336	677	378	3439
FRH YTD	2	9	10	70	326	2378	452	8339	878	13016	2085	15606	5806	43948
TOT NO.	132	1868	-	-	235	1680	147	2063	458	6835	1006	8848	894	15319
TOT YTD	1069	15802	255	797	3464	24268	2146	28277	4011	78422	12026	136111	18916	192339

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1981

	YUGOSLAVIA		CANADA		INDIA		JAPAN		TAIWAN		AUSTRALIA		ALL OTHERS	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	-	-	-	-	-	-	1	146	-	-	-	-	3	252
3035	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3204	-	-	-	-	-	-	77	5528	-	-	-	-	-	-
3206	-	-	-	-	-	-	7	736	-	-	-	-	-	-
3209	2	460	-	-	-	-	17	2774	-	-	-	-	-	-
3211	-	-	-	-	-	-	27	3674	-	-	-	-	1	64
3212	-	-	1	1248	-	-	-	-	-	-	-	-	-	-
3213	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3217	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3218	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3219	-	-	-	-	-	-	1	252	-	-	-	-	-	-
3222	1	230	-	-	-	-	7	1191	-	-	-	-	2	116
3223	-	-	1	8	-	-	-	-	177	77	-	-	4	463
3228	-	-	-	-	-	-	2	53	-	-	-	-	-	-
3229	-	-	-	-	-	-	2	46	-	-	-	-	-	-
3234	-	-	-	-	-	-	23	295	37	236	-	-	5	33
3236	-	-	-	-	-	-	-	-	2	6	-	-	-	-
3242	-	-	2	6	-	-	-	-	1	3	-	-	1	18
3264	-	-	-	-	-	-	10	427	42	160	-	-	-	-
3266	-	-	-	-	-	-	2	111	20	60	-	-	5	27
3267	-	-	41	496	-	-	1	19	48	118	-	-	10	109
3268	-	-	-	-	-	-	21	534	9	47	-	-	-	-
3269	-	-	1	8	-	-	6	174	351	1400	-	-	8	46
3276	-	-	-	-	-	-	1	36	-	-	-	-	-	-
3277	1	135	-	-	-	-	-	-	-	-	-	-	5	137
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	1	98	-	-	-	-	-	-	-	-	-	-
3507	-	-	-	-	-	-	129	8053	3	41	-	-	45	779
3509	-	-	-	-	-	-	54	5130	-	-	-	-	-	-
3511	-	-	-	-	-	-	7	1105	-	-	-	-	-	-
3512	21	399	4	41	4	47	13	257	232	1708	-	-	125	1175
3513	-	-	-	-	-	-	3	49	-	-	-	-	-	-
3514	-	-	-	-	-	-	-	-	1	66	-	-	-	-
3515	-	-	-	-	-	-	1	70	-	-	-	-	5	85
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	-	-	-	-	7	26	21	2007	41	218	-	-	4	31
3521	-	-	-	-	-	-	7	476	-	-	-	-	-	-
3522	-	-	-	-	-	-	8	781	8	48	-	-	41	531
3527	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3528	-	-	-	-	-	-	3	276	-	-	-	-	-	-
3529	-	-	-	-	-	-	4	13	29	135	-	-	9	68
3533	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3539	-	-	-	-	-	-	2	164	1	10	-	-	-	-
3541	-	-	-	-	-	-	16	247	3	17	-	-	-	-
3543	18	439	-	-	-	-	16	261	37	207	-	-	3	31
3546	-	-	-	-	-	-	3	146	-	-	-	-	-	-
3554	-	-	-	-	1	56	3	108	-	-	-	-	6	75
3556	-	-	-	-	-	-	4	177	7	53	-	-	-	-
3558	-	-	-	-	-	-	4	159	2	14	-	-	-	-
3559	-	-	12	95	-	-	11	738	39	158	-	-	2	6
3562	-	-	-	-	-	-	21	650	-	-	-	-	-	-
3564	-	-	-	-	-	-	1	73	-	-	-	-	-	-
3567	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3571	-	-	-	-	-	-	2	257	-	-	-	-	1	6
3576	-	-	-	-	-	-	1	52	-	-	-	-	-	-
3577	-	-	1	8	-	-	19	302	8	25	-	-	-	-
3578	-	-	-	-	-	-	-	-	1	5	-	-	-	-
3579	-	-	1	3	-	-	5	160	4	16	-	-	-	-
4000	-	-	14	190	-	-	19	1025	2	3	-	-	9	213
9000	-	-	NSA	77	-	-	8079	762	58988	3891	-	-	817	105
CUT MO.	35	1614	543	2199	12	129	8661	38540	60095	8723	-	-	1111	4368
CUT YTD	349	6399	3830	28194	262	1446	91547	627417	775893	101579	4	72	19451	99538
1010	-	-	9	187	-	-	2	206	-	-	-	-	-	-
3582	-	-	4	3	-	-	-	-	-	-	-	-	-	-
3583	-	-	199	28	-	-	313	144	376	22	-	-	-	-
3584	-	-	-	-	-	-	17	1557	-	-	-	-	-	-
3586	-	-	3	165	-	-	16	292	-	-	-	-	4	106
3587	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3588	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3589	-	-	6	129	-	-	8	88	-	-	-	-	8	192
3591	-	-	1	60	-	-	-	-	-	-	-	-	-	-
3592	-	-	12	91	-	-	8	83	-	-	-	-	-	-
3593	-	-	-	-	-	-	1	22	-	-	-	-	-	-
3594	-	-	1	20	-	-	19	3023	-	-	-	-	-	-
3595	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3596	-	-	3	29	-	-	7	563	-	-	-	-	-	-
3597	-	-	-	-	-	-	4	202	-	-	-	-	-	-
3598	-	-	-	-	-	-	1	15	-	-	-	-	-	-
3599	-	-	7	819	-	-	10	28	-	-	-	-	5	71
FEB MO.	-	-	295	1489	-	-	401	6229	376	22	-	-	17	389
FEB YTD	-	-	3836	15810	117	129	6056	60078	3704	832	12	13	526	3114
TOT MO.	35	1614	838	3688	12	129	9062	44764	60471	8745	-	-	1128	4737
TOT YTD	349	6399	7666	44004	379	1586	97603	687495	779597	102401	16	85	19977	98652

DECEMBER 1981 - U.S IMPORTS OF MACHINE TOOLS
Total and Countries of Origin

The following is a breakdown of the activity by country which is included in the ALL OTHER column on page 4.

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
AZORES	-	-	-	-	-	-
BULGARIA	6	39	-	-	6	39
CIPRUS	-	-	-	-	-	-
FINLAND	20	5	-	-	20	5
GREECE	-	-	-	-	-	-
HUNGARY	2	74	-	-	2	74
ICELAND	-	-	-	-	-	-
IRELAND	-	-	-	-	-	-
ROMANIA	21	970	-	-	21	970
USSR	1	4	-	-	1	4
GIBRALTAR	-	-	-	-	-	-
MALTA	-	-	-	-	-	-
TOTAL	50	1093	-	-	50	1093
OTHER N.AC.AM						
BAHAMAS	-	-	-	-	-	-
BARBADOS	-	-	-	-	-	-
BELIZE	-	-	-	-	-	-
BERMUDA	-	-	-	-	-	-
CAYMAN	-	-	-	-	-	-
COSTA RICA	-	-	-	-	-	-
DOMINICAN REP.	-	-	-	-	-	-
FR. W. INDIES	-	-	-	-	-	-
GUATEMALA	-	-	-	-	-	-
HAITI	-	-	-	-	-	-
HONDURAS	-	-	-	-	-	-
JAMAICA	-	-	-	-	-	-
LW & WW IS.	-	-	-	-	-	-
MEXICO	-	-	-	-	-	-
NICARAGUA	-	-	-	-	-	-
N. ANTILLES	-	-	-	-	-	-
PANAMA	-	-	-	-	-	-
SALVADOR	-	-	-	-	-	-
TRINIDAD	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-
OTHER S. AMER						
ARGENTINA	-	-	-	-	-	-
BOLIVIA	-	-	-	-	-	-
BRAZIL	51	604	-	-	51	604
CHILE	-	-	-	-	-	-
COLOMBIA	-	-	-	-	-	-
ECUADOR	-	-	-	-	-	-
FRENCH GUIANA	-	-	-	-	-	-
GUYANA	-	-	-	-	-	-
PARAGUAY	-	-	-	-	-	-
PERU	-	-	-	-	-	-
SURINAM	-	-	-	-	-	-
URUGUAY	-	-	-	-	-	-
VENEZUELA	-	-	-	-	-	-
TOTAL	51	604	-	-	51	604
OTHER ASIA						
AFGHANISTAN	-	-	-	-	-	-
ADEN	-	-	-	-	-	-
ARAB EMIRATES	-	-	-	-	-	-
BAHRAIN	-	-	-	-	-	-
BANGLADASH	-	-	-	-	-	-
BRUNEI	-	-	-	-	-	-
BURMA	-	-	-	-	-	-
CHINA	81	519	-	-	81	519
GAZA STRIP	-	-	-	-	-	-
HONG KONG	730	42	-	-	730	42
INDONESIA	-	-	-	-	-	-
IRAN	-	-	-	-	-	-
IRAQ	-	-	-	-	-	-
ISRAEL	1	10	13	317	14	328
JORDAN	-	-	-	-	-	-
KOREAN REP.	92	1458	-	-	92	1458
KUWAIT	-	-	-	-	-	-
LEBANON	4	40	-	-	4	40
MALAYSIA	-	-	-	-	-	-
NEPAL	-	-	-	-	-	-
OMAN	-	-	-	-	-	-
PAKISTAN	-	-	-	-	-	-
PHILLIPINES	-	-	-	-	-	-
QATAR	-	-	-	-	-	-
SAUDI ARABIA	-	-	-	-	-	-
SINGAPORE	57	996	-	-	57	996
SRI LANKA	-	-	-	-	-	-
SYRIA	-	-	-	-	-	-
THAILAND	-	-	-	-	-	-
TURKEY	-	-	-	-	-	-
YEMEN	-	-	-	-	-	-
TOTAL	965	3645	13	317	978	2983

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER OCEANIA						
FR. PAC. IS.	-	-	-	-	-	-
NEW GUINEA	-	-	-	-	-	-
NEW ZEALAND	-	-	1	41	1	4
TERR. PAC. IS.	-	-	-	-	-	-
OTH. PAC. IS.	-	-	-	-	-	-
TOTAL	-	-	1	41	1	4
OTHER AFRICA						
BOTSWANA	-	-	-	-	-	-
ALGERIA	-	-	-	-	-	-
ANGOLA	-	-	-	-	-	-
BENIN	-	-	-	-	-	-
CAMEROON	-	-	-	-	-	-
CANARY ISLANDS	-	-	-	-	-	-
DAHOMEY	-	-	-	-	-	-
EGYPT	-	-	-	-	-	-
ETHIOPIA	-	-	-	-	-	-
GABON	-	-	-	-	-	-
GHANA	-	-	-	-	-	-
GUINEA	-	-	-	-	-	-
KENYA	-	-	-	-	-	-
LIBERIA	-	-	-	-	-	-
LIBYA	-	-	-	-	-	-
MALAWI	-	-	-	-	-	-
MAURITANIA	-	-	-	-	-	-
MOROCCO	-	-	-	-	-	-
MOZAMBIQUE	-	-	-	-	-	-
NIGER	-	-	-	-	-	-
NIGERIA	-	-	-	-	-	-
REP. S. AFRICA	45	7	3	11	48	1
RWANDA	-	-	-	-	-	-
SENEGAL	-	-	-	-	-	-
SIERRA LEONE	-	-	-	-	-	-
SOMALIA	-	-	-	-	-	-
S. W. AFRICA	-	-	-	-	-	-
SUDAN	-	-	-	-	-	-
SWAZILAND	-	-	-	-	-	-
TANZANIA	-	-	-	-	-	-
TUNISIA	-	-	-	-	-	-
ZIMBABWE	-	-	-	-	-	-
WEST AFRICA	-	-	-	-	-	-
ZAIRE	-	-	-	-	-	-
TOTAL	45	7	3	11	48	17

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1981

RELEASED: March 12, 1982

674:	METAL CUTTING	TOTAL UNITS	1981 $000	AUSTRIA UNITS	AUSTRIA $000	BELGIUM UNITS	BELGIUM $000	DENMARK UNITS	DENMARK $000	FINLAND UNITS	FINLAND $000
3020	Gear Hobbers & Shapers	233	22728	-	-	-	-	-	-	-	-
3045	Gear Cutting Machines, N.E.C.	357	39308	-	-	-	-	1	17	-	-
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26'' or Less	54	5506	2	239	-	-	-	-	-	-
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26''	24	5888	2	460	-	-	-	-	-	-
3209	Horizontal Machining Centers, ATC, NC	109	27029	-	-	-	-	-	-	4	912
3211	Machining Centers, NC, N.E.C.	129	14998	-	-	-	-	1	113	-	-
3216	Single Station and Multi-Station Transfer Machines	220	94197	-	-	-	-	-	-	-	-
3225	Way Type Machines (Unit Heads)	19	3049	-	-	-	-	-	-	-	-
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	18	9504	-	-	-	-	-	-	-	-
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	2	631	-	-	-	-	-	-	-	-
3247	Vertical Boring-Drilling-Milling Machines, NC	48	4908	-	-	-	-	-	-	-	-
3248	Horiz. Boring-Drilling-Milling Machines, non-NC	21	2755	-	-	-	-	-	-	-	-
3249	Vertical Boring-Drilling-Milling Machines, non-NC	481	37197	-	-	2	10	-	-	-	-
3254	Drilling Machines, NC	27	4246	-	-	-	-	-	-	-	-
3255	Drilling Machines, Multi-Spindle, non-NC	94	7751	-	-	1	68	1	103	-	-
3256	Drilling Machines, Radial, non-NC	63	1973	-	-	-	-	-	-	-	-
3257	Drilling Machines, Upright, Single Spindle, non-NC	95	2932	-	-	-	-	3	79	-	-
3258	Drilling Machines, non-NC, N.E.C.	287	7481	-	-	-	-	-	-	1	20
3264	Milling Machines, NC	45	22540	-	-	-	-	-	-	-	-
3266	Milling Machines, Profiling, Dupl. & Die Sinking, non-NC	65	5532	-	-	-	-	-	-	-	-
3267	Milling Machines, Knee Type, non-NC	11	512	-	-	-	-	-	-	-	-
3268	Milling Machines, Bed Type, non-NC	18	1950	-	-	-	-	-	-	-	-
3269	Milling Machines, non-NC, N.E.C.	153	7262	-	-	-	-	-	-	-	-
3276	Vertical Boring Machines, incl. VTL's, NC	23	5319	-	-	-	-	-	-	-	-
3277	Vertical Boring Machines, incl. VTL's, non-NC	118	13396	-	-	-	-	-	-	-	-
3281	Boring Machines, NC, N.E.C.	7	1027	-	-	-	-	-	-	-	-
3283	Boring Machines, non-NC, N.E.C.	79	4700	-	-	-	-	-	-	-	-
3504	Horizontal Lathes, NC, Less Than 25 HP	101	6973	-	-	-	-	-	-	-	-
3506	Horizontal Lathes, NC, 25-50 HP	53	9508	-	-	-	-	-	-	-	-
3508	Horizontal Lathes, NC, Over 50 HP	11	3871	-	-	-	-	-	-	-	-
3510	Horizontal Engine & Toolroom Lathes, non-NC	308	5571	3	239	1	42	-	-	-	-
3511	Automatic Chucking Lathes, Single Spindle, non-NC	47	7453	-	-	1	30	-	-	-	-
3512	Automatic Chucking Lathes, Multi-Spindle, non-NC	35	4316	-	-	-	-	-	-	-	-
3515	Automatic Bar Machines, Single Spindle, non-NC	72	3208	-	-	-	-	-	-	-	-
3516	Automatic Bar Machines, Multi-Spindle, non-NC	84	7729	-	-	-	-	-	-	-	-
3518	Horizontal Lathes, non-NC, N.E.C.	522	18478	-	-	4	109	-	-	-	-
3519	Vertical Lathes, excl. VTL's, NC	25	3771	-	-	-	-	-	-	-	-
3525	Vertical Lathes, excl. VTL's, non-NC	210	19152	-	-	-	-	1	166	-	-
3528	Grinding, Polishing, Honing & Lapping Machines, NC	115	19466	-	-	1	27	-	-	-	-
3529	Gear Tooth Grinding & Finishing Machines, non-NC	108	18097	-	-	-	-	-	-	1	187
3531	Tool & Cutter Grinding Machines, non-NC	406	9538	-	-	5	36	1	8	-	-
3532	Honing & Lapping Machines, non-NC	449	9826	1	3	-	-	-	-	5	23
3533	Grinding Machines, Flat Surface Reciprocating Table, non-NC	205	7544	-	-	-	-	-	-	-	-
3538	Grinding Machines, Flat Surface, non-NC, N.E.C.	338	21672	-	-	-	-	-	-	-	-
3541	External Grinding Machines, non-NC	110	15894	1	53	-	-	-	-	-	-
3542	Internal Grinding Machines, non-NC	36	5093	-	-	-	-	-	-	-	-
3544	Grinding, Polishing & Buffing Machines, non-NC, N.E.C.	269	11240	-	-	3	17	-	-	-	-
3546	Grinding Machines, non-NC, N.E.C.	766	29564	-	-	1	194	-	-	-	-
3547	Traveling Wire Electrical Discharge Machines	50	1533	-	-	-	-	-	-	-	-
3549	All Other Electrical Discharge Machines	275	3627	9	87	-	-	-	-	10	44
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	5	494	-	-	-	-	-	-	-	-
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, non-NC	63	1430	-	-	-	-	-	-	-	-
3559	Metal Cutting Machine Tools, NC, N.E.C.	101	3488	-	-	-	-	-	-	1	3
3565	Sawing & Cut-off Machines, non-NC	755	12608	-	-	1	109	-	-	1	10
3566	Broaching Machines, non-NC	228	15540	-	-	-	-	-	-	-	-
3567	Metal Cutting Machine Tools, non-NC, N.E.C.	686	21672	-	-	11	536	1	11	1	8
4000	Metal Cutting Machine Tools, Used or Rebuilt*	4595	55424	3	108	-	-	1	4	5	17
5000	Metal Cutting Machine Tools, Less Than $2500*	63195	19049	2	3	3203	468	9	12	25	39
	TOTAL CUTTING YTD	77022	724005	23	1190	3234	1645	19	513	54	1263

674:	METAL FORMING										
1011	Die Casting Machines & Parts	-	15204	-	78	-	112	-	4	-	49
3568	Metal Forming Machine Tools, Used or Rebuilt	1620	22596	-	-	3	3	4	12	2	2
3569	Metal Forming Machine Tools, Less Than $2500	9717	6140	-	-	90	37	21	12	6	2
3571	Punching & Shearing Machines, incl. Combination, NC	118	13756	-	-	-	-	1	87	-	-
3573	Shearing Machines, non-NC	156	9174	-	-	1	50	-	-	-	-
3575	Punching & Combination Punching & Shearing Machines, non-NC	921	22004	-	-	5	121	3	129	-	-
3578	Bending, Folding, Straightening & Flattening Machines, NC	232	14524	-	-	4	572	1	26	-	-
3582	Press Brakes, non-NC	130	5695	-	-	-	-	5	356	-	-
3583	Bending Rolls, Ram & Press Bending Machines, non-NC	57	2955	-	-	-	-	-	-	-	-
3584	Bending,Folding,Str. & Flattening Machines, non-NC, N.E.C.	769	22820	-	-	-	-	1	4	2	14
3588	Mechanical Presses, non-NC	424	22922	-	-	6	577	2	20	1	30
3589	Hydraulic Presses, Vertical, Single Action, non-NC	116	15008	-	-	1	15	-	-	-	-
3590	Hydraulic & Pneumatic Presses, non-NC, N.E.C.	623	41436	-	-	1	9	-	-	10	330
3594	Headers & Upsetters, non-NC	79	7686	-	-	-	-	-	-	-	-
3595	Forging Machines, non-NC, N.E.C.	177	13636	-	-	4	33	1	3	2	111
3598	Metal Forming Machine Tools, non-NC, N.E.C.	1328	67941	3	31	12	1696	3	120	1	6
	TOTAL FORMING YTD	16467	303858	3	109	127	3223	42	772	24	543
	TOTAL ALL TYPES YTD	93489	1027573	26	1300	3361	4868	61	1286	78	1806

Source: U.S. Department of Commerce, Census Report No. EM522; National Machine Tool Builders' Association.
NOTES: 1) a/Dollar amount less than $500; 2) N.E.C. - Not elsewhere Classified; 3) Individual items may not add to totals due to rounding.
4) Beginning in January 1980, foreign trade data for die casting machines are included in the metal forming total.

*Code 6744000 shown above represents combined data from codes 674:3015,3241,3252,3261,3272,3501,3526 & 3554.
Code 6745000 shown above represents combined data from codes 674:3243,3253,3262,3273,3502,3527 & 3557.

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
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DECEMBER 1981

	FRANCE		GREECE		IRELAND		ITALY		NETHERLANDS		NORWAY		POLAND		ROMANIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	1	164	-	-	-	-	1	160	-	-	-	-	-	-	-	-
3045	3	433	-	-	1	72	18	2330	-	-	3	23	-	-	4	769
3204	2	206	-	-	-	-	1	86	-	-	-	-	-	-	-	-
3206	1	208	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	12	3425	-	-	1	73	2	398	-	-	1	475	-	-	-	-
3211	1	142	-	-	-	-	1	13	-	-	1	148	-	-	-	-
3216	26	4376	-	-	-	-	1	180	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	1	250	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3248	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3254	-	-	-	-	-	-	1	182	-	-	-	-	-	-	-	-
3255	8	1081	-	-	1	60	1	63	-	-	-	-	-	-	-	-
3256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3257	5	382	-	-	2	55	8	505	-	-	-	-	-	-	-	-
3258	2	8	-	-	1	21	9	229	-	-	-	-	-	-	-	-
3264	1	502	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3266	-	-	-	-	-	-	1	504	-	-	-	-	-	-	-	-
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	2	291	-	-	-	-	-	-	-	-	-	-
3269	3	234	-	-	1	6	1	25	-	-	-	-	-	-	-	-
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3277	1	54	2	29	-	-	2	861	-	-	-	-	-	-	-	-
3281	-	-	-	-	5	582	-	-	-	-	-	-	-	-	-	-
3283	10	402	-	-	-	-	5	87	-	-	-	-	-	-	-	-
3504	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3506	2	204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	7	86	-	-	3	78	1	27	2	21	-	-	-	-	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	4	264	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3516	8	358	-	-	-	-	1	33	-	-	-	-	-	-	-	-
3518	7	99	-	-	11	273	3	42	6	244	-	-	-	-	-	-
3519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3525	2	91	-	-	3	104	4	800	-	-	-	-	1	24	-	-
3528	4	410	-	-	-	-	2	480	1	66	1	24	-	-	-	-
3529	1	72	-	-	3	108	1	79	-	-	-	-	-	-	1	144
3531	10	2488	-	-	-	-	1	4	4	32	-	-	-	-	-	-
3532	4	164	-	-	-	-	11	177	1	3	-	-	-	-	-	-
3533	5	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3538	2	375	-	-	2	40	10	310	1	17	-	-	-	-	1	27
3541	-	-	-	-	3	82	-	-	-	-	-	-	-	-	-	-
3542	4	617	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	1	5	14	72	-	-	3	263	2	16	-	-	-	-	1	59
3546	47	1006	3	118	2	13	5	1347	1	44	-	-	-	-	1	378
3547	1	3	-	-	-	-	1	3	-	-	-	-	-	-	-	-
3549	1	81	-	-	-	-	19	231	-	-	-	-	-	-	-	-
3551	1	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	2	30	-	-	-	-	2	51	2	31	-	-	-	-	-	-
3559	8	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3565	-	-	1	7	2	13	1	15	41	670	-	-	-	-	-	-
3566	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	18	1066	2	50	6	215	2	14	9	179	-	-	-	-	-	-
4000	9	104	-	-	27	316	11	336	6	29	2	9	-	-	-	-
5000	219	73	12	11	529	45	1103	225	2984	176	472	23	-	-	-	-
CUTTING YTD	439	19117	34	287	610	2959	1233	10059	3060	1530	478	701	1	24	8	1377
1011	-	67	-	30	-	-	-	288	-	100	-	91	-	-	-	-
3568	5	74	1	96	8	25	10	137	226	3068	2	7	-	-	-	-
3569	271	118	2	2	30	26	79	32	104	24	10	7	-	-	-	-
3571	13	1953	-	-	3	498	8	788	2	124	-	-	-	-	-	-
3573	1	21	-	-	1	58	-	-	-	-	-	-	-	-	-	-
3575	23	926	-	-	10	179	10	603	15	219	1	6	-	-	-	-
3578	9	474	-	-	-	-	2	59	5	348	-	-	-	-	-	-
3582	-	-	-	-	-	-	-	-	1	23	2	23	-	-	-	-
3583	-	-	-	-	-	-	-	-	3	130	-	-	-	-	-	-
3584	14	533	-	-	2	66	1	45	20	446	3	60	-	-	-	-
3588	42	905	-	-	2	101	2	232	1	31	1	67	-	-	-	-
3589	-	-	1	67	8	3608	-	-	-	-	-	-	-	-	-	-
3590	14	2147	2	695	4	752	12	2142	8	838	-	-	-	-	1	109
3594	-	-	1	24	-	-	-	-	-	-	-	-	-	-	-	-
3595	3	45	-	-	8	2894	6	534	1	20	-	-	-	-	-	-
3598	65	2780	2	213	7	260	15	1760	6	507	-	-	-	-	-	-
FORMING YTD	460	10043	9	1127	83	8467	145	6618	392	5877	19	260	-	-	1	109
ALL TYPES YTD	899	29160	43	1414	693	11426	1378	16678	3452	7407	497	962	1	24	9	1486

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674:	SPAIN		SWEDEN		SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA		CANADA	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	22	1155	-	-	-	-	-	-	-	-	2	568	-	-	172	17793
3045	5	215	2	485	1	26	7	398	9	2908	45	5106	1	225	39	4072
3204	-	-	-	-	8	1035	7	829	-	-	1	166	-	-	24	1577
3206	-	-	1	222	-	-	4	798	-	-	2	472	-	-	11	2721
3209	3	358	4	1031	7	2048	5	1657	-	-	17	4012	-	-	18	6756
3211	4	289	1	209	6	621	10	1241	-	-	8	1393	-	-	36	5563
3216	-	-	-	-	-	-	35	11874	-	-	1	512	-	-	65	47308
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1585
3245	-	-	-	-	-	-	1	162	-	-	1	281	-	-	10	4214
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	2	192	5	310	-	-	2	188	-	-	16	1838
3248	-	-	-	-	-	-	6	362	-	-	-	-	-	-	8	1534
3249	-	-	9	188	2	200	6	60	-	-	1	65	-	-	34	1297
3254	-	-	-	-	-	-	1	101	-	-	2	642	-	-	14	2065
3255	-	-	2	169	-	-	6	453	-	-	4	420	-	-	11	1252
3256	-	-	-	-	-	-	13	294	-	-	1	40	-	-	1	16
3257	-	-	-	-	1	99	1	2	-	-	5	302	-	-	22	444
3258	-	-	-	-	11	198	1	5	-	-	6	32	-	-	54	1210
3264	-	-	-	-	-	-	3	809	-	-	-	-	-	-	7	7672
3266	-	-	-	-	2	12	-	-	-	-	-	-	1	4	9	340
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3268	-	-	-	-	-	-	2	195	-	-	-	-	-	-	4	288
3269	-	-	-	-	3	82	7	74	-	-	4	438	-	-	18	1172
3276	-	-	-	-	-	-	7	776	-	-	1	65	-	-	3	1114
3277	-	-	-	-	1	98	16	248	-	-	4	134	-	-	15	3693
3281	-	-	-	-	-	-	-	-	-	-	1	87	-	-	-	-
3283	-	-	1	9	-	-	1	8	-	-	10	228	-	-	15	1443
3504	-	-	-	-	-	-	41	2806	-	-	4	250	-	-	25	1981
3506	-	-	-	-	-	-	17	2756	-	-	-	-	-	-	16	3363
3508	-	-	-	-	-	-	2	718	-	-	-	-	1	346	4	1123
3510	-	-	-	-	-	-	1	8	-	-	-	-	-	-	104	1438
3511	-	-	-	-	-	-	5	207	-	-	-	-	-	-	20	4434
3512	-	-	-	-	-	-	1	91	-	-	-	-	-	-	18	2621
3515	6	122	-	-	2	39	1	5	-	-	6	508	-	-	18	1037
3516	-	-	-	-	-	-	3	104	-	-	-	-	-	-	49	5029
3518	2	208	3	15	6	54	17	609	-	-	20	414	5	546	92	3437
3519	-	-	-	-	-	-	4	579	-	-	3	341	-	-	3	233
3525	-	-	-	-	-	-	17	377	1	260	10	1276	-	-	16	2355
3528	1	57	-	-	-	-	5	802	1	459	14	2105	-	-	33	5754
3529	1	127	2	648	-	-	11	181	19	10530	3	612	-	-	18	1181
3531	1	30	-	-	1	17	16	224	-	-	5	541	-	-	134	1636
3532	6	353	8	49	50	457	16	134	-	-	35	538	-	-	70	2953
3533	-	-	1	7	6	146	16	218	-	-	1	65	-	-	89	1025
3538	-	-	-	-	-	-	13	1673	-	-	4	171	-	-	34	3409
3541	-	-	-	-	-	-	10	1016	-	-	-	-	-	-	60	10738
3542	1	255	-	-	-	-	4	165	-	-	1	40	-	-	14	2558
3544	4	106	-	-	-	-	10	169	1	83	11	757	11	93	48	2156
3546	8	67	4	116	13	669	46	1316	1	426	31	528	-	-	95	4288
3547	-	-	-	-	29	1100	1	1	-	-	1	14	-	-	5	23
3549	1	8	-	-	-	-	21	127	-	-	2	25	1	541	15	287
3551	-	-	-	-	-	-	1	34	-	-	-	-	-	-	-	-
3553	-	-	9	82	2	31	1	12	-	-	2	29	-	-	4	65
3559	-	-	1	146	5	33	4	87	-	-	28	1165	-	-	17	637
3565	3	41	-	-	8	81	74	1323	-	-	12	461	-	-	300	3557
3566	-	-	-	-	1	19	2	62	-	-	-	-	-	-	128	7291
3567	2	217	2	15	11	203	21	376	1	459	34	1622	-	-	119	3788
4000	34	4584	4	12	25	150	170	9426	-	-	104	318	-	-	519	6601
5000	48	36	178	64	833	236	1402	463	-	-	1178	382	6	14	21904	5995
CUTTING YTD	152	8228	232	3469	1036	7843	2097	46724	33	15125	1627	27313	26	1768	24585	207959
1011	-	48	-	135	-	37	-	452	-	8	-	699	-	12	-	4261
3568	1	67	2	10	2	50	23	244	-	-	4	196	-	-	202	3496
3569	1	1	50	41	101	44	222	85	-	-	380	159	-	-	3424	2281
3571	2	465	-	-	-	-	8	684	-	-	8	731	-	-	14	2643
3573	-	-	2	122	-	-	-	-	-	-	2	28	-	-	39	939
3575	2	7	2	49	5	146	47	1906	-	-	15	935	-	-	246	4438
3576	6	1361	-	-	2	127	6	443	-	-	16	914	1	19	32	1124
3582	1	122	-	-	-	-	6	95	-	-	-	-	-	-	19	573
3583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	729
3584	5	360	1	13	-	-	24	1208	-	-	5	94	-	-	192	3833
3588	2	178	1	101	-	-	22	3082	52	1302	9	514	-	-	72	3093
3589	3	330	1	87	-	-	2	742	-	-	2	132	-	-	18	1367
3590	1	227	7	1081	23	816	24	2276	-	-	3	122	5	1706	117	6085
3594	-	-	-	-	-	-	-	-	-	-	2	27	1	29	26	3800
3595	-	-	-	-	1	45	7	741	-	-	14	342	-	-	28	2730
3598	16	2838	5	344	5	111	286	5382	1	50	75	2995	2	1287	159	6782
FORMING YTD	40	6003	71	1982	139	1376	677	17341	53	1359	535	7888	9	3052	4608	48175
ALL TYPES YTD	192	14230	303	5451	1175	9219	2774	64065	86	16484	2162	35200	35	4820	29193	256134

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674:	MEXICO		OTH. NAC AM		ARGENTINA		BRAZIL		CHILE		COLOMBIA		PERU		VENEZUELA	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	1	141	-	-	-	-	3	411	-	-	2	165	1	25	1	24
3045	36	1145	1	24	-	-	8	1791	2	77	-	-	1	16	3	401
3204	1	261	-	-	-	-	3	540	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	1	211	-	-	-	-	-	-	-	-
3209	7	1464	-	-	-	-	2	475	-	-	-	-	-	-	1	154
3211	22	2703	1	52	2	132	9	454	-	-	2	357	-	-	3	137
3216	85	28218	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3225	8	1311	3	153	-	-	-	-	-	-	-	-	-	-	-	-
3245	2	284	-	-	-	-	1	393	-	-	-	-	-	-	-	-
3246	1	178	-	-	-	-	1	453	-	-	-	-	-	-	-	-
3247	14	1204	-	-	1	41	2	105	-	-	-	-	-	-	-	-
3248	2	319	-	-	-	-	-	-	-	-	-	-	-	-	1	104
3249	315	34132	2	15	-	-	4	50	-	-	1	15	1	5	4	53
3254	5	1027	-	-	-	-	-	-	-	-	-	-	-	-	1	13
3255	34	2090	-	-	-	-	-	-	-	-	1	109	-	-	-	-
3256	33	1040	1	11	-	-	-	-	-	-	2	117	-	-	1	60
3257	42	364	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	108	3532	9	144	-	-	14	171	-	-	9	104	1	21	2	46
3264	5	1072	1	65	1	512	3	482	-	-	-	-	-	-	2	504
3266	32	183	-	-	1	11	3	583	-	-	-	-	-	-	1	13
3267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	116
3268	3	392	1	15	-	-	-	-	-	-	-	-	-	-	-	-
3269	45	2233	3	35	2	137	-	-	3	464	-	-	-	-	4	355
3276	-	-	-	-	4	1461	-	-	-	-	1	219	-	-	1	1009
3277	40	5264	1	239	1	99	-	-	-	-	1	9	-	-	1	22
3281	1	358	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	10	1018	1	20	-	-	2	265	-	-	1	42	-	-	1	157
3504	16	1086	1	42	-	-	-	-	-	-	-	-	1	73	2	105
3506	8	1671	-	-	2	315	-	-	-	-	-	-	1	67	1	211
3508	2	530	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	101	1533	28	283	1	25	-	-	-	-	4	85	3	35	3	69
3511	13	1304	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3512	6	450	-	-	-	-	2	398	-	-	-	-	-	-	-	-
3515	25	912	1	11	1	285	1	68	-	-	-	-	-	-	-	-
3516	15	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	218	9262	14	123	2	45	3	54	-	-	8	67	6	61	8	48
3519	8	1226	-	-	-	-	-	-	-	-	1	33	-	-	-	-
3525	84	8746	3	198	7	368	5	687	2	82	1	23	2	51	6	100
3528	13	1697	1	16	-	-	-	-	-	-	-	-	-	-	4	141
3529	12	287	-	-	-	-	1	61	-	-	1	52	-	-	1	366
3531	92	1164	6	79	2	48	4	392	7	97	1	8	-	-	2	23
3532	205	3808	-	-	1	22	3	55	-	-	-	-	-	-	1	4
3533	20	294	-	-	-	-	-	-	-	-	-	-	-	-	1	22
3538	115	9557	-	-	4	69	7	884	-	-	3	68	-	-	4	339
3541	6	334	1	51	1	36	5	764	-	-	-	-	-	-	-	-
3542	2	68	-	-	-	-	4	532	-	-	-	-	-	-	-	-
3544	36	1648	1	7	-	-	5	361	-	-	-	-	2	17	-	-
3546	145	11436	6	92	1	25	31	767	1	220	10	246	3	68	52	314
3547	5	47	1	13	-	-	2	89	-	-	-	-	-	-	1	200
3549	26	694	4	72	12	195	2	15	-	-	1	12	-	-	6	134
3551	1	285	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	17	486	-	-	-	-	2	30	-	-	-	-	-	-	2	134
3559	11	299	2	11	-	-	-	-	1	3	-	-	-	-	1	3
3565	119	2684	12	111	7	78	4	154	3	35	2	11	3	17	7	297
3566	81	6823	-	-	-	-	4	463	-	-	-	-	-	-	-	-
3567	174	5996	17	193	3	109	30	1449	-	-	10	91	-	-	20	311
4000	2700	21908	99	357	9	245	28	915	54	159	7	73	12	92	59	794
5000	4972	2611	3689	588	97	87	310	180	2547	143	359	161	71	66	1575	1145
CUTTING YTD	10100	190777	3910	3020	162	4303	509	14706	2620	1280	428	2066	108	614	1785	7928
1011	-	2316	-	813	-	18	-	1850	-	14	-	53	-	13	-	393
3568	506	6854	35	435	29	64	6	34	-	-	115	400	9	44	61	1123
3569	1261	1007	195	117	24	14	92	30	67	54	30	22	157	270	567	322
3571	13	778	-	-	1	300	1	59	1	110	-	-	-	-	-	-
3573	72	3198	2	15	3	44	1	1029	-	-	3	291	-	-	1	16
3575	177	3909	21	238	6	780	4	75	5	105	5	56	6	90	10	292
3578	79	3473	3	46	2	37	5	469	-	-	-	-	-	-	13	435
3582	53	2789	2	8	1	7	-	-	-	-	1	11	2	30	2	12
3583	18	1721	2	53	-	-	-	-	-	-	-	-	-	-	2	33
3584	226	7660	14	210	4	84	7	315	2	12	5	87	2	52	86	1443
3588	100	4879	1	122	2	335	4	662	-	-	-	-	1	20	4	446
3589	42	3442	3	187	1	31	3	1237	-	-	1	27	2	73	-	-
3590	226	8770	8	68	3	349	2	1939	4	402	5	1187	18	421	21	413
3594	11	1250	-	-	6	186	1	5	-	-	-	-	-	-	-	-
3595	44	2098	3	63	2	96	2	55	-	-	-	-	1	686	3	165
3598	302	13976	6	118	25	1006	16	1725	8	229	16	370	35	1169	26	2061
FORMING YTD	3130	68119	295	2493	109	3352	184	9484	87	926	181	2503	233	2866	796	7153
ALL TYPES YTD	13230	258896	4205	5513	271	7655	693	24190	2707	2206	609	4569	341	3480	2581	15081

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1981

674:	OTH. S. AM.		INDIA		IRAN		ISRAEL		JAPAN		KOREAN REP.		PHILLIPINES		SINGAPORE	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	-	-	2	435	-	-	2	92	19	1099	2	73	-	-	-	-
3045	1	103	7	1783	-	-	47	1420	37	8443	3	144	3	100	15	2509
3204	-	-	-	-	-	-	-	-	1	89	-	-	-	-	-	-
3206	-	-	-	-	-	-	1	407	-	-	-	-	-	-	-	-
3209	-	-	6	984	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	1	170	-	-	-	-	9	453	1	27
3216	-	-	-	-	-	-	-	-	2	1046	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	1	419	-	-	-	-	-	-	1	3500	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	-	-	-	-	2	553	-	-	-	-	2	205
3248	-	-	3	75	-	-	-	-	-	-	-	-	-	-	-	-
3249	-	-	4	73	-	-	-	-	79	650	2	34	-	-	-	-
3254	-	-	-	-	-	-	-	-	1	81	-	-	-	-	-	-
3255	-	-	-	-	-	-	-	-	10	902	-	-	1	69	-	-
3256	-	-	2	257	-	-	-	-	-	-	1	21	-	-	-	-
3257	-	-	-	-	-	-	1	19	3	675	-	-	-	-	1	5
3258	3	40	1	7	-	-	1	4	7	221	3	131	4	45	1	15
3264	-	-	-	-	-	-	10	1332	-	-	-	-	-	-	-	-
3266	1	5	3	430	-	-	-	-	-	-	3	2327	-	-	-	-
3267	-	-	1	87	-	-	1	37	-	-	-	-	-	-	-	-
3268	-	-	1	97	-	-	-	-	1	126	4	546	-	-	-	-
3269	1	74	6	53	1	21	2	74	3	892	2	23	3	72	1	7
3276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	467
3277	-	-	9	744	-	-	-	-	1	136	-	-	-	-	7	486
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	1	15	-	-	-	-	7	368	2	145	-	-	1	5
3504	1	69	-	-	-	-	-	-	2	137	-	-	-	-	2	98
3506	-	-	-	-	-	-	-	-	1	160	1	213	1	250	-	-
3508	-	-	-	-	-	-	-	-	-	-	1	922	-	-	1	231
3510	1	7	8	73	-	-	1	14	2	31	2	48	4	174	4	333
3511	-	-	1	77	-	-	-	-	-	-	-	-	-	-	-	-
3512	-	-	-	-	-	-	-	-	1	398	1	25	-	-	1	34
3515	1	7	7	181	-	-	-	-	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	-	-	8	205	-	-	-	-	-	-
3518	4	283	2	4	-	-	2	330	9	439	6	35	2	20	12	431
3519	-	-	-	-	-	-	-	-	1	431	-	-	-	-	4	591
3525	-	-	8	685	-	-	6	519	5	145	3	126	-	-	8	962
3528	-	-	-	-	-	-	-	-	20	5764	1	287	-	-	1	187
3529	-	-	2	180	-	-	-	-	25	3228	-	-	1	15	-	-
3531	1	11	6	144	-	-	3	30	14	596	48	1124	1	6	14	212
3532	-	-	-	-	-	-	-	-	4	351	-	-	-	-	-	-
3533	-	-	5	229	-	-	2	39	15	524	1	9	-	-	16	282
3538	-	-	2	40	-	-	-	-	27	1778	14	783	3	34	17	1121
3541	-	-	3	475	-	-	5	131	3	924	2	174	-	-	5	447
3542	1	40	2	320	-	-	-	-	3	497	-	-	-	-	-	-
3544	2	111	2	142	-	-	1	24	45	3849	5	103	-	-	25	174
3546	71	479	15	1214	-	-	41	245	34	1606	29	707	-	-	4	104
3547	-	-	-	-	-	-	-	-	1	26	-	-	-	-	-	-
3549	4	82	-	-	-	-	1	31	17	170	7	38	2	4	9	23
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3553	-	-	5	68	-	-	-	-	1	41	1	12	1	29	-	-
3559	2	489	-	-	-	-	-	-	1	11	6	46	1	4	1	11
3565	2	39	8	126	-	-	1	6	20	479	4	119	3	69	5	89
3566	-	-	3	48	-	-	-	-	4	784	-	-	-	-	-	-
3567	6	53	35	328	-	-	8	60	11	1856	5	512	4	207	4	40
4000	48	323	7	620	-	-	8	47	29	703	87	300	13	238	60	835
5000	330	97	86	52	-	-	207	227	1792	392	377	170	290	153	1157	465
CUTTING YTD	480	2310	254	10422	1	21	352	5256	2268	40803	624	12695	346	1940	1382	10395
1011	-	229	-	53	-	-	-	14	-	1334	-	10	-	210	-	28
3568	144	879	13	168	-	-	21	42	14	1233	42	848	6	43	14	298
3569	164	113	35	19	-	-	189	106	148	171	3	1	164	95	551	148
3571	-	-	4	782	-	-	6	380	16	1227	1	35	-	-	1	34
3573	-	-	-	-	1	5	5	84	-	-	2	63	-	-	2	20
3575	10	265	-	-	-	-	8	431	57	831	7	89	2	18	34	396
3578	-	-	-	-	-	-	1	600	21	1429	1	16	-	-	4	75
3582	-	-	-	-	-	-	1	25	2	300	-	-	1	22	-	-
3583	-	-	-	-	-	-	-	-	-	-	2	46	-	-	1	45
3584	7	302	1	14	-	-	1	67	17	745	4	184	2	69	13	438
3588	2	31	2	55	-	-	-	-	23	1445	9	966	-	-	20	275
3589	-	-	5	1731	-	-	-	-	1	36	-	-	-	-	-	-
3590	3	28	11	1422	-	-	-	-	14	1027	1	8	5	677	7	198
3594	-	-	-	-	-	-	1	8	13	1897	-	-	-	-	-	-
3595	1	8	2	14	-	-	3	300	1	259	1	3	1	47	1	1195
3598	13	657	14	517	-	-	15	355	28	1477	6	61	12	126	8	187
FORMING YTD	344	2512	87	4776	1	5	249	2812	355	13411	79	2329	193	1305	656	3335
ALL TYPES YTD	824	4821	341	15199	2	26	601	7668	2623	54214	703	15024	539	3246	2038	13730

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1981

674:	TAIWAN		TURKEY		OTHER ASIA		AUSTRALIA		N. ZEALAND		REP./S.AFR.		OTH. AFRICA		ALL OT CTRY	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	2	426	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	8	770	-	-	35	2097	-	-	1	15	4	393	2	417	4	582
3204	1	92	-	-	-	-	-	-	-	-	2	339	-	-	1	47
3206	-	-	-	-	-	-	1	389	-	-	-	-	-	-	-	-
3209	-	-	-	-	15	1470	1	357	-	-	2	590	1	433	-	-
3211	1	19	-	-	5	416	2	261	-	-	1	66	1	19	-	-
3216	2	418	-	-	3	265	-	-	-	-	-	-	-	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3247	-	-	-	-	1	144	-	-	-	-	1	126	-	-	-	-
3248	-	-	-	-	1	362	-	-	-	-	-	-	-	-	-	-
3249	1	107	-	-	11	166	-	-	-	-	1	34	1	17	1	25
3254	-	-	-	-	2	135	-	-	-	-	-	-	-	-	-	-
3255	5	321	-	-	2	139	5	387	-	-	1	65	-	-	-	-
3256	-	-	-	-	1	17	-	-	-	-	6	90	1	12	-	-
3257	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3258	5	48	-	-	14	347	7	185	-	-	2	40	6	228	5	430
3264	1	1645	-	-	1	87	10	7858	-	-	-	-	-	-	-	-
3266	5	149	-	-	1	50	2	921	-	-	-	-	-	-	-	-
3267	2	125	1	19	3	105	-	-	-	-	1	23	-	-	-	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	5	72	3	139	7	79	19	384	1	24	1	21	3	53	1	21
3276	-	-	-	-	-	-	4	208	-	-	-	-	-	-	-	-
3277	1	8	-	-	14	1251	1	22	-	-	-	-	-	-	-	-
3281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3283	-	-	-	-	4	58	4	267	1	20	2	143	-	-	-	-
3504	1	74	-	-	3	126	2	128	-	-	-	-	-	-	-	-
3506	-	-	-	-	1	85	-	-	-	-	-	-	1	60	1	153
3508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3510	3	103	3	49	3	118	3	53	-	-	10	577	2	23	-	-
3511	-	-	-	-	-	-	-	-	-	-	-	-	7	1400	-	-
3512	-	-	-	-	1	36	-	-	-	-	-	-	-	-	-	-
3515	-	-	-	-	2	26	-	-	-	-	1	7	-	-	-	-
3516	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3518	11	128	-	-	22	573	3	23	-	-	8	443	6	61	-	-
3519	-	-	-	-	1	337	-	-	-	-	-	-	-	-	-	-
3525	-	-	2	35	3	192	2	90	-	-	2	21	2	265	4	406
3528	1	18	1	128	1	135	2	218	-	-	4	251	3	442	-	-
3529	-	-	2	20	1	8	1	12	-	-	-	-	-	-	-	-
3531	5	225	2	9	11	158	5	110	1	9	2	69	1	22	-	-
3532	1	12	-	-	6	50	7	133	1	10	11	99	-	-	2	128
3533	5	82	-	-	9	67	-	-	1	25	4	170	1	5	7	286
3538	9	400	-	-	24	762	4	272	-	-	37	404	-	-	1	140
3541	3	311	-	-	1	106	1	253	-	-	-	-	-	-	-	-
3542	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3544	3	168	-	-	22	603	-	-	-	-	6	126	3	30	1	80
3546	3	21	7	38	30	1212	7	101	-	-	17	155	1	6	-	-
3547	-	-	-	-	-	-	-	-	-	-	-	-	2	15	-	-
3549	6	64	7	39	23	69	63	451	1	1	3	137	2	10	-	-
3551	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	116
3553	-	-	-	-	7	147	2	133	1	20	-	-	-	-	-	-
3559	-	-	-	-	5	16	1	3	1	4	3	446	1	9	-	-
3565	10	73	1	18	40	592	23	771	1	17	26	389	10	147	-	-
3566	1	6	-	-	1	10	1	6	-	-	-	-	2	27	-	-
3567	3	28	-	-	33	512	32	441	4	77	39	333	5	295	2	24
4000	30	500	31	424	219	2009	45	476	6	75	71	1470	25	692	28	154
5000	159	76	12	18	3971	1829	2405	419	23	24	2250	1491	871	249	1540	144
CUTTING YTD	294	6491	72	934	4560	16962	2665	15329	43	320	2518	8518	960	4933	1600	2735
1011	-	50	-	-	-	98	-	415	-	74	-	57	-	692	-	-
3568	18	24	3	54	42	736	10	547	1	23	23	1221	1	11	12	32
3569	55	31	17	5	726	488	236	93	103	35	82	51	25	21	35	57
3571	-	-	-	-	1	35	11	1701	-	-	2	195	1	147	-	-
3573	4	2761	-	-	6	124	-	-	-	-	7	201	-	-	3	107
3575	13	163	1	304	40	1300	28	794	8	78	73	1239	8	439	14	450
3578	1	154	-	-	9	1222	3	89	1	26	1	440	3	109	1	439
3582	-	-	1	16	12	189	7	41	-	-	6	1021	4	26	1	8
3583	1	18	-	-	7	150	1	30	-	-	-	-	-	-	-	-
3584	7	358	2	17	49	2232	15	585	2	45	19	728	11	480	3	16
3588	5	124	-	-	8	707	4	194	-	-	17	1277	4	652	3	501
3589	3	907	1	42	14	531	2	276	-	-	1	86	-	-	1	55
3590	9	2473	5	43	17	618	7	824	-	-	6	399	16	747	3	94
3594	-	-	1	30	2	54	11	114	-	-	3	262	-	-	-	-
3595	5	246	-	-	5	284	4	86	-	-	3	368	-	-	20	166
3598	18	2389	-	-	54	11123	15	458	7	142	15	800	16	1724	10	111
FORMING YTD	139	9697	31	511	992	19891	354	6246	122	421	258	8346	89	5047	106	2034
ALL TYPES YTD	433	16189	103	1445	5552	36853	3019	21575	165	741	2776	16864	1049	9980	1706	4769

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
Total and Countries of Destination
The following is a breakdown of the activity by country which is included in the ALL OTHER columns.

	METAL CUTTING UNITS	METAL CUTTING $000	METAL FORMING UNITS	METAL FORMING $000	TOTAL UNITS	TOTAL $000
EUROPE						
AZORES	-	-	2	1	2	1
BULGARIA	1	28	2	32	3	60
CYPRUS	-	-	-	-	-	-
CZECHOSLOVAKIA	4	319	15	1022	19	1341
E GERMANY	-	-	-	-	-	-
HUNGARY	3	482	1	439	4	921
ICELAND	87	29	4	16	91	45
PORTUGAL	1469	1600	78	511	1547	2111
GIBRALTAR	-	-	-	-	-	-
MALTA	4	10	-	-	4	10
TOTAL	1568	2468	102	2021	1670	4489
OTHER N.&C.AM						
BAHAMAS	42	278	16	24	58	302
BARBADOS	11	47	11	38	22	85
BELIZE	2	2	-	-	2	2
BERMUDA	2	4	1	4	3	8
CAYMAN	1	1	-	-	1	1
COSTA RICA	116	217	9	77	125	294
DOMINICAN REP.	100	157	57	305	157	462
FR. W. INDIES	1	1	3	28	4	29
GUATEMALA	388	193	3	116	391	309
HAITI	28	153	10	246	38	399
HONDURAS	81	172	3	39	84	211
JAMAICA	41	132	27	255	68	387
LW & WW IS.	50	152	34	84	84	236
NICARAGUA	6	89	3	5	9	94
N. ANTILLES	6	9	5	1	11	10
PANAMA	2988	561	30	205	3018	766
SALVADOR	3	5	5	773	8	778
TRINIDAD	44	851	78	292	122	1142
TOTAL	3910	3020	295	2493	4205	5513
OTHER S. AMER						
BOLIVIA	11	318	6	53	17	371
ECUADOR	221	1717	261	2184	482	3901
FRENCH GUIANA	-	-	-	-	-	-
GUYANA	20	40	1	1	21	41
PARAGUAY	8	43	6	1	14	44
SURINAM	3	112	24	197	27	308
URUGUAY	217	80	46	76	263	156
TOTAL	480	2310	344	2512	824	4821
OTHER ASIA						
AFGHANISTAN	-	-	-	-	-	-
ADEN	-	-	-	-	-	-
ARAB EMIRATES	1004	705	8	8	1012	713
BAHRAIN	15	67	1	8	16	75
BANGLADASH	10	75	-	-	10	75
BRUNEI	13	14	-	-	13	14
BURMA	53	316	2	1	55	317
CHINA	34	1335	4	164	38	1499
GAZA STRIP	-	-	-	-	-	-
HONG KONG	247	1819	62	8386	309	10206
INDONESIA	68	729	57	1493	125	2222
IRAQ	17	166	-	-	17	166
JORDAN	70	692	3	144	73	835
KUWAIT	232	398	12	150	244	548
LEBANON	37	81	36	258	73	339
MALAYSIA	44	942	45	909	89	1851
NEPAL	-	-	-	-	-	-
OMAN	9	21	20	60	29	82
PAKISTAN	12	215	1	50	13	265
QATAR	28	271	2	219	30	491
SAUDI ARABIA	2478	7963	633	6906	3111	14868
SRI LANKA	1	1	1	14	2	15
SYRIA	1	2	1	39	2	40
THAILAND	187	1151	104	1083	291	2234
YEMEN	-	-	-	-	-	-
TOTAL	4560	16962	992	19891	5552	36853

	METAL CUTTING UNITS	METAL CUTTING $000	METAL FORMING UNITS	METAL FORMING $000	TOTAL UNITS	TOTAL $000
OTHER OCEANIA						
FR. PAC. IS.	2	2	2	8	4	10
NEW GUINEA	23	259	1	3	24	263
TR/R. PAC. IS.	1	1	1	1	2	2
OTH. PAC. IS.	6	6	-	-	6	6
TOTAL	32	267	4	12	36	280
OTHER AFRICA						
BOTSWANA	3	4	-	-	3	4
ALGERIA	9	327	5	36	14	363
ANGOLA	16	12	6	5	22	17
BENIN	-	-	-	-	-	-
CAMEROON	-	-	2	19	2	19
CANARY ISLANDS	3	11	-	-	3	11
DAHOMEY	-	-	-	-	-	-
EGYPT	608	3184	31	3071	639	6254
ETHIOPIA	6	4	-	-	6	4
GABON	-	-	-	-	-	-
GHANA	39	65	9	32	48	97
GUINEA	4	447	-	-	4	447
KENYA	22	8	-	-	22	8
LIBERIA	6	102	1	4	7	105
LIBYA	18	341	1	13	19	355
MALAWI	-	-	-	-	-	-
MAURITANIA	-	-	-	-	-	-
MOROCCO	5	55	-	-	5	55
MOZAMBIQUE	-	-	-	-	-	-
NIGER	-	-	-	-	-	-
NIGERIA	145	188	15	1706	160	1895
RWANDA	-	-	-	-	-	-
SENEGAL	4	4	1	7	5	12
SIERRA LEONE	5	3	-	-	5	3
SOMALIA	4	6	-	-	4	6
S. W. AFRICA	1	8	-	-	1	8
SUDAN	-	-	14	81	14	81
SWAZILAND	-	-	-	-	-	-
TANZANIA	2	31	-	-	2	31
TUNISIA	-	-	-	-	-	-
ZIMBABWE	27	54	2	49	29	103
WEST AFRICA	-	-	-	-	-	-
ZAIRE	21	25	-	-	21	25
ZAMBIA	6	2	1	11	7	13
OTH WEST AFR.	1	2	-	-	1	2
IVORY COAST	-	-	1	14	1	14
MAURITIUS	1	2	-	-	1	2
TOGO	4	52	-	-	4	52
TOTAL	960	4933	89	5047	1049	9980

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1981

RELEASED: March 12, 1982

674:	METAL CUTTING	TOTAL UNITS	1981 $000	AUSTRIA UNITS	AUSTRIA $000	BELGIUM UNITS	BELGIUM $000	CZECHO. UNITS	CZECHO. $000
3025	Gear Hobbers	213	19366	-	-	-	-	5	126
3035	Gear Shapers	12	1846	-	-	-	-	-	-
3045	Gear Cutting Machines, N.E.C.	19	3942	-	-	1	135	1	15
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26'' or Less	1127	90723	-	-	-	-	-	-
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26''	121	16825	-	-	-	-	-	-
3209	Horizontal Machining Centers, ATC, NC	381	52634	-	-	-	-	-	-
3211	Machining Centers, NC, N.E.C.	378	35533	-	-	-	-	-	-
3212	Single Station and Multi-Station Transfer Machines	35	8259	-	-	-	-	-	-
3213	Way Type Machines (Unit Heads)	2	219	-	-	1	66	-	-
3217	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	20	5199	-	-	-	-	2	64
3218	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	-	-	-	-	-	-	-	-
3219	Vertical Boring-Drilling-Milling Machines,NC	23	3987	-	-	-	-	-	-
3222	Horiz. Boring-Drilling-Milling Machines,non-NC	211	22017	-	-	-	-	14	329
3223	Vertical Boring-Drilling-Milling Machines,non-NC	2228	18676	-	-	-	-	6	164
3228	Drilling Machines,NC	29	2016	-	-	-	-	-	-
3229	Drilling Machines, Multi-Spindle, non-NC	80	3923	-	-	-	-	-	-
3234	Drilling Machines, Radial, non-NC	1485	12095	-	-	-	-	11	121
3236	Drilling Machines, Upright, Single Spindle, non-NC	234	1439	-	-	-	-	-	-
3242	Drilling Machines, non-NC, N.E.C.	410	6967	-	-	-	-	1	7
3264	Milling Machines, NC	379	27406	1	112	-	-	1	9
3266	Milling Machines, Profiling, Dupl. & Die Sinking, non-NC	338	6181	-	-	-	-	-	-
3267	Milling Machines, Knee Type, non-NC	4041	30975	-	-	2	6	6	23
3268	Milling Machines, Bed Type, non-NC	626	16841	-	-	-	-	-	-
3269	Milling Machines, non-NC, N.E.C.	5050	43323	-	-	-	-	28	337
3276	Vertical Boring Machines, incl. VTL's, NC	33	5370	-	-	-	-	1	26
3277	Vertical Boring Machines, incl. VTL's, non-NC	322	10947	-	-	-	-	11	563
3281	Boring Machines, NC, N.E.C.	16	9414	-	-	-	-	-	-
3283	Boring Machines, non-NC, N.E.C.	309	16080	-	-	-	-	14	371
3507	Horizontal Lathes, NC, Less Than 25 HP	1934	122101	-	-	-	-	-	-
3509	Horizontal Lathes, NC, 25-50 HP	1307	120302	-	-	-	-	-	-
3511	Horizontal Lathes, NC, Over 50 HP	267	35554	-	-	12	959	-	-
3512	Horizontal Engine & Toolroom Lathes, non-NC	7786	74248	20	319	-	-	129	856
3513	Automatic Chucking Lathes, Single Spindle, non-NC	166	5773	-	-	-	-	-	-
3514	Automatic Chucking Lathes, Multi-Spindle, non-NC	129	7791	-	-	-	-	-	-
3515	Automatic Bar Machines, Single Spindle, non-NC	325	8290	-	-	-	-	1	3
3516	Automatic Bar Machines, Multi-Spindle, non-NC	120	11181	-	-	14	49	-	-
3518	Horizontal Lathes, non-NC, N.E.C.	1026	27637	-	-	2	268	1	4
3521	Vertical Lathes, excl. VTL's, NC	270	26398	-	-	-	-	-	-
3522	Vertical Lathes, excl. VTL's, non-NC	2115	40523	10	365	7	193	62	390
3527	Gear Tooth Grinding & Finishing Machines	123	11822	-	-	3	259	-	-
3528	Tool & Cutter Grinding Machines, NC	134	9029	-	-	-	-	-	-
3529	Tool & Cutter Grinding Machines, non-NC	1236	18167	-	-	3	33	9	28
3533	Honing & Lapping Machines	180	9476	-	-	-	-	-	-
3539	Grinding Machines, Flat Surface, NC	42	4272	-	-	-	-	-	-
3541	Grinding Machines, Flat Surface Reciprocating Table,non-NC	598	11596	-	-	-	-	2	10
3543	Grinding Machines, Flat Surface, non-NC, N.E.C.	1289	29570	-	-	-	-	1	7
3546	Grinding & Polishing Machines, NC, N.E.C.	33	3324	-	-	-	-	-	-
3554	External Grinding Machines, non-NC	619	25882	-	-	61	2985	25	300
3556	Internal Grinding Machines, non-NC	114	4877	-	-	-	-	-	-
3558	Grinding, Polishing & Buffing Machines, non-NC, N.E.C.	201	7109	-	-	-	-	16	110
3559	Grinding Machines, non-NC, N.E.C.	868	17853	-	-	4	105	3	23
3562	Traveling Wire Electrical Discharge Machines	418	18104	-	-	-	-	-	-
3564	All Other Electrical Discharge Machines	147	7567	-	-	-	-	-	-
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	130	5116	-	-	116	4041	-	-
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, non-NC	104	5313	-	-	4	23	-	-
3576	Metal Cutting Machine Tools, NC, N.E.C.	30	2837	1	100	-	-	-	-
3577	Sawing & Cut-off Machines, non-NC	1232	13235	-	-	1	4	-	-
3578	Broaching Machines, non-NC	54	4437	-	-	-	-	-	-
3579	Metal Cutting Machine Tools, non-NC, N.E.C.	749	22379	5	307	14	205	-	-
4000	Metal Cutting Machine Tools, Used or Rebuilt*	5007	45922	3	31	165	1355	68	721
5000	Metal Cutting Machine Tools, Less Than $2500*	893490	70686	1861	766	90	85	14	22
	TOTAL CUTTING YTD	940381	1291478	1901	1999	500	10770	432	4625
674:	METAL FORMING								
1010	Die Casting Machines	150	4179	1	99	-	-	-	-
3582	Metal Forming Machine Tools, Used or Rebuilt	784	5524	-	-	8	83	3	40
3583	Metal Forming Machine Tools, Less Than $2500	18279	4514	3	4	8	13	2	1
3584	Punching & Shearing Machines, incl. Combination, NC	254	29835	-	-	1	384	-	-
3586	Shearing Machines, non-NC	720	11513	-	-	36	791	-	-
3587	Punching & Combination Punching & Shearing Machines, non-NC	669	9646	-	-	-	-	-	-
3588	Bending, Folding, Straightening & Flattening Machines, NC	40	2648	-	-	2	443	-	-
3589	Press Brakes, non-NC	432	7066	-	-	31	736	-	-
3591	Bending Rolls, Ram & Press Bending Machines, non-NC	213	5085	-	-	2	117	-	-
3592	Bending,Folding,Str. & Flattening Machines, non-NC, N.E.C.	912	15282	-	-	8	311	-	-
3593	Metal Forming Machine Tools, NC, N.E.C.	17	1930	-	-	-	-	-	-
3594	Mechanical Presses, non-NC	168	16164	-	-	8	500	-	-
3595	Hydraulic Presses, Vertical, Single Action, non-NC	79	4027	-	-	3	651	-	-
3596	Hydraulic & Pneumatic Presses, non-NC, N.E.C.	362	24140	-	-	10	1151	-	-
3597	Benders & Upsetters, non-NC	159	13941	-	-	1	190	-	-
3598	Forging Machines, non-NC, N.E.C.	37	1812	-	-	-	-	-	-
3599	Metal Forming Machine Tools, non-NC, N.E.C.	938	34077	-	-	37	2356	-	-
	TOTAL FORMING YTD	24213	191425	4	103	155	7724	5	41
	TOTAL ALL TYPES YTD	964594	1482903	1905	2102	655	18493	437	4667

Source: U.S. Department of Commerce, Census Report No. IM146; National Machine Tool Builders' Association.

NOTES: 1) a/Dollar amount less than $500; 2) N.E.C. - Not Elsewhere Classified; 3) Individual items may not add to totals due to rounding.
4) Machine tool imports, as reflected in the government statistics, are actually undervalued since they reflect values in the country of origin and do not include ocean freight, insurance, dealer's commission or import duties.
5) Beginning in January 1980, foreign trade data for die casting machines are included in the metal forming total. U.S. die casting imports are not available for previous years.

*Code 6748000 shown above represents combined data from codes 674:3015,3215,3226,3261,3272,3502,3524 & 3573.
Code 6745000 shown above represents combined data from codes 674:3227,3262,3273,3503,3526 & 3574.

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1981

	DENMARK		E. GERMANY		FRANCE		ITALY		NETHERLANDS		NORWAY		POLAND	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	-	-	12	674	-	-	-	-	-	-	-	-	-	-
3035	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3045	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3204	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3209	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3211	-	-	-	-	-	-	1	51	-	-	-	-	-	-
3212	-	-	-	-	1	206	3	787	-	-	-	-	-	-
3213	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3217	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3218	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3219	-	-	-	-	1	417	-	-	-	-	-	-	-	-
3222	-	-	3	158	-	-	2	128	-	-	-	-	10	1354
3223	-	-	-	-	22	131	20	680	1	124	-	-	8	1292
3228	-	-	-	-	5	1143	-	-	-	-	-	-	-	-
3229	-	-	-	-	-	-	12	196	-	-	-	-	-	-
3234	-	-	-	-	1	7	68	746	-	-	-	-	36	317
3236	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3242	-	-	1	35	1	9	7	159	-	-	-	-	-	-
3264	-	-	-	-	15	883	3	188	2	106	-	-	-	-
3266	-	-	1	20	5	34	27	1922	1	3	-	-	-	-
3267	-	-	2	58	24	101	26	686	-	-	-	-	189	2599
3268	-	-	1	58	11	1882	7	281	-	-	-	-	-	-
3269	-	-	14	292	36	963	94	1976	6	419	-	-	-	-
3276	-	-	-	-	2	415	3	656	-	-	-	-	-	-
3277	1	14	2	14	8	90	34	2128	-	-	-	-	12	796
3281	-	-	1	134	-	-	-	-	-	-	-	-	-	-
3283	10	184	2	200	2	510	45	1221	-	-	-	-	-	-
3507	-	-	-	-	75	4077	19	1116	-	-	-	-	-	-
3509	-	-	-	-	81	2297	6	654	-	-	-	-	-	-
3511	-	-	-	-	1	162	7	327	1	121	-	-	-	-
3512	-	-	-	-	35	990	106	2520	4	106	-	-	478	8446
3513	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3514	-	-	-	-	2	36	-	-	-	-	-	-	-	-
3515	-	-	-	-	1	23	-	-	-	-	-	-	-	-
3516	-	-	-	-	-	-	2	233	-	-	-	-	5	114
3518	-	-	-	-	1	51	3	67	-	-	-	-	-	-
3521	-	-	-	-	3	1141	18	1971	-	-	-	-	-	-
3522	2	17	1	64	26	778	35	1160	-	-	-	-	6	134
3527	-	-	9	508	-	-	-	-	1	16	-	-	-	-
3528	4	23	-	-	1	91	7	254	-	-	-	-	-	-
3529	23	131	-	-	11	278	22	695	12	211	-	-	-	-
3533	-	-	-	-	3	84	-	-	-	-	-	-	-	-
3539	6	105	-	-	2	153	2	192	-	-	-	-	-	-
3541	23	427	-	-	1	39	3	70	-	-	-	-	-	-
3543	2	36	1	41	2	197	138	1947	3	31	-	-	9	73
3546	-	-	-	-	-	-	-	-	8	149	-	-	-	-
3554	3	16	-	-	-	-	69	1610	30	1282	-	-	1	41
3556	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3558	3	74	-	-	1	38	-	-	1	18	-	-	-	-
3559	15	95	3	12	10	56	127	2399	16	213	1	11	18	178
3562	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3564	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3567	-	-	-	-	-	-	1	14	-	-	-	-	-	-
3571	-	-	-	-	3	20	2	49	-	-	-	-	-	-
3576	-	-	1	52	-	-	1	65	-	-	-	-	-	-
3577	2	24	-	-	13	492	99	982	-	-	1	48	-	-
3578	-	-	-	-	-	-	2	64	-	-	-	-	-	-
3579	-	-	1	11	13	388	91	850	10	91	-	-	-	-
4000	2	19	73	540	213	2048	126	935	64	857	-	-	21	197
5000	736	187	9	5	2423	765	5770	1574	613	518	17	4	274	53
CUTTING TTD	832	1312	137	2881	3015	20593	7008	31550	773	4264	19	63	1067	15793
1010	-	-	-	-	1	101	24	239	-	-	-	-	-	-
3582	7	672	2	11	10	57	61	579	5	21	4	16	1	1
3583	46	84	-	-	625	141	716	120	6	2	8	7	-	-
3584	-	-	-	-	3	492	2	150	-	-	-	-	-	-
3586	32	250	-	-	24	363	42	411	5	99	-	-	-	-
3587	3	39	-	-	-	-	70	509	-	-	-	-	-	-
3588	-	-	-	-	2	322	6	718	-	-	-	-	-	-
3589	12	184	-	-	3	102	2	29	2	42	-	-	-	-
3591	5	92	1	11	-	-	54	750	1	15	-	-	-	-
3592	3	58	-	-	25	756	264	3030	1	20	1	36	-	-
3593	-	-	-	-	1	59	4	289	-	-	-	-	-	-
3594	-	-	-	-	2	111	5	74	-	-	-	-	-	-
3595	1	7	-	-	-	-	27	205	-	-	-	-	-	-
3596	2	183	-	-	4	84	24	959	2	202	-	-	-	-
3597	-	-	-	-	-	-	16	975	-	-	-	-	-	-
3598	-	-	-	-	-	-	1	18	-	-	-	-	-	-
3599	-	-	-	-	32	3282	112	2285	14	230	14	662	1	8
FORMING TTD	111	1569	3	22	732	5870	1430	11340	36	633	27	721	2	9
ALL TYPES TTD	943	2880	140	2903	3747	26462	8438	42890	809	4897	46	784	1069	15802

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1981

674	PORTUGAL		SPAIN		SWEDEN		SWITZERLAND		U. KINGDOM		W. GERMANY		YUGOSLAVIA	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	-	-	-	-	-	-	10	288	23	1777	104	13400	-	-
3035	-	-	-	-	-	-	1	17	5	405	6	1423	-	-
3045	-	-	-	-	-	-	3	716	5	956	7	2096	-	-
3204	-	-	-	-	-	-	1	321	-	-	9	373	-	-
3206	-	-	-	-	-	-	1	553	2	128	1	67	-	-
3209	-	-	-	-	-	-	6	3495	1	26	13	2043	5	960
3211	-	-	-	-	-	-	1	180	2	212	6	1891	-	-
3212	-	-	-	-	-	-	13	2115	-	-	9	1477	-	-
3213	-	-	-	-	-	-	-	-	-	-	1	153	-	-
3217	-	-	3	328	-	-	-	-	6	2009	4	1103	-	-
3218	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3219	-	-	-	-	-	-	1	50	2	605	11	1467	-	-
3222	-	-	13	966	1	30	1	14	18	3025	3	68	4	741
3223	-	-	37	196	5	83	32	5669	25	1574	62	2134	-	-
3228	-	-	2	35	-	-	1	190	-	-	1	110	-	-
3229	-	-	12	150	-	-	8	113	10	514	8	302	-	-
3234	72	420	75	645	17	79	-	-	20	300	16	214	-	-
3236	-	-	45	146	37	224	3	270	20	243	42	192	-	-
3262	10	58	138	727	3	26	15	648	26	302	24	1468	1	139
3264	-	-	28	598	6	490	3	285	109	6496	23	1369	-	-
3266	-	-	-	-	3	162	6	554	15	236	55	1527	-	-
3267	-	-	1770	8893	25	537	-	-	391	4071	52	835	-	-
3268	-	-	9	222	38	1363	1	34	22	1039	15	1541	-	-
3269	-	-	233	2580	40	1673	47	2305	129	5792	68	4767	4	17
3276	-	-	1	97	-	-	-	-	3	662	2	1016	1	63
3277	-	-	13	63	4	25	15	899	24	1595	20	1354	2	270
3281	-	-	-	-	-	-	-	-	6	1072	1	1242	-	-
3283	-	-	7	605	-	-	8	741	73	5346	29	1185	-	-
3507	-	-	-	-	-	-	2	127	5	484	50	4327	-	-
3509	-	-	-	-	18	1977	4	496	2	327	20	1993	-	-
3511	-	-	-	-	43	6455	-	-	4	545	20	3736	-	-
3512	-	-	184	2534	6	87	6	40	1107	9298	91	1020	134	1540
3513	-	-	-	-	-	-	-	-	20	571	13	1862	-	-
3514	-	-	-	-	-	-	7	124	57	815	33	5908	-	-
3515	-	-	-	-	-	-	60	1943	34	500	97	1932	-	-
3516	-	-	-	-	-	-	14	952	65	8220	3	576	-	-
3518	-	-	6	65	-	-	44	2224	42	2215	37	2358	66	628
3521	-	-	-	-	14	1576	-	-	9	1064	19	3389	-	-
3522	-	-	41	808	4	21	25	3113	155	3609	72	5119	99	1120
3527	-	-	-	-	-	-	39	6401	21	1031	37	3083	-	-
3528	-	-	-	-	-	-	5	145	3	272	26	2441	-	-
3529	2	8	20	70	7	96	133	3334	313	5028	311	5446	-	-
3533	-	-	2	42	-	-	13	1148	98	1659	49	6271	-	-
3539	-	-	-	-	1	290	2	197	5	1467	7	1061	-	-
3541	-	-	5	30	1	22	7	330	7	84	56	3138	-	-
3543	-	-	46	183	3	154	38	1302	133	5147	144	5089	13	608
3546	-	-	-	-	6	879	2	186	2	328	6	1006	-	-
3554	-	-	9	330	8	1043	78	5613	120	5202	49	2873	-	-
3556	-	-	3	178	-	-	3	186	6	1596	16	585	-	-
3558	-	-	6	330	1	4	26	2121	14	645	67	1618	-	-
3559	-	-	12	175	8	52	55	2878	134	2298	131	3288	13	255
3562	-	-	-	-	-	-	119	6386	-	-	-	-	-	-
3564	-	-	3	60	-	-	64	1908	9	1280	7	467	-	-
3567	-	-	-	-	3	57	-	-	9	939	-	-	-	-
3571	-	-	-	-	3	46	5	58	12	292	34	3991	-	-
3576	-	-	1	30	5	80	5	281	2	205	6	1319	-	-
3577	-	-	17	137	2	38	20	248	144	776	433	4909	-	-
3578	-	-	-	-	-	-	1	21	22	2647	20	1626	6	58
3579	-	-	12	212	27	546	63	2081	153	2276	119	9535	-	-
4000	-	-	17	113	84	685	220	1877	2560	19504	861	10916	1	1
5000	161	240	468	344	1271	1142	1896	269	3737	1800	11684	2675	-	-
CUTTING YTD	245	727	3238	21890	1694	19938	3133	65406	9941	120506	15110	148371	349	6399
1010	-	-	-	-	-	-	-	-	31	361	7	452	-	-
3582	-	-	14	42	9	44	18	490	462	2110	101	1032	-	-
3583	-	-	135	118	218	249	669	199	1207	590	2757	649	-	-
3584	-	-	-	-	-	-	51	5366	2	1643	33	5495	-	-
3586	-	-	4	22	6	129	3	111	126	1459	70	1319	-	-
3587	-	-	30	241	41	837	28	949	5	99	302	3748	-	-
3588	-	-	-	-	-	-	-	-	3	202	11	201	-	-
3589	-	-	7	58	12	534	-	-	10	136	3	99	-	-
3591	-	-	1	21	106	2721	-	-	24	849	12	303	-	-
3592	10	70	3	110	25	428	15	611	56	1872	146	3066	-	-
3593	-	-	-	-	-	-	1	116	-	-	2	454	-	-
3594	-	-	1	15	1	5	6	643	16	806	14	3210	-	-
3595	-	-	1	435	3	1121	2	276	6	184	14	512	-	-
3596	-	-	8	564	12	1996	14	2138	23	868	95	3935	-	-
3597	-	-	-	-	-	-	-	-	4	593	50	7938	-	-
3598	-	-	-	-	-	-	6	74	6	888	12	453	-	-
3599	-	-	22	752	19	273	65	2044	104	2945	217	11103	-	-
FORMING YTD	10	70	226	2378	452	8339	878	13016	2085	15606	3806	43968	-	-
ALL TYPES YTD	255	797	3464	24268	2146	28277	4011	78422	12026	136111	18916	192339	349	6399

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1981

674	CANADA		INDIA		JAPAN		TAIWAN		AUSTRALIA		ALL OTHERS	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	-	-	-	-	14	1299	-	-	-	-	45	1804
3035	-	-	-	-	-	-	-	-	-	-	-	-
3045	1	8	-	-	1	17	-	-	-	-	-	-
3204	-	-	-	-	1116	89933	-	-	-	-	1	71
3206	-	-	-	-	117	10077	-	-	-	-	-	-
3209	-	-	-	-	352	45294	-	-	-	-	4	814
3211	-	-	1	101	259	33519	6	445	-	-	2	134
3212	5	3451	-	-	3	185	-	-	-	-	1	39
3213	-	-	-	-	-	-	-	-	-	-	-	-
3217	-	-	-	-	9	1894	-	-	-	-	-	-
3218	-	-	-	-	-	-	-	-	-	-	-	-
3219	1	50	-	-	6	998	-	-	-	-	1	400
3222	1	20	-	-	93	9821	1	59	-	-	67	5210
3223	10	230	-	-	144	3613	1825	1159	-	-	27	1627
3228	-	-	-	-	19	518	-	-	-	-	1	20
3229	5	2462	-	-	3	86	17	46	-	-	3	51
3234	1	7	3	31	985	5874	525	2389	-	-	132	946
3236	12	82	-	-	37	174	37	104	-	-	1	4
3242	8	96	-	-	30	2112	90	684	-	-	55	497
3264	-	-	-	-	131	14303	50	288	-	-	7	278
3266	2	61	-	-	7	854	146	920	-	-	70	393
3267	573	7262	-	-	140	2973	729	2138	-	-	112	993
3268	1	51	-	-	323	9394	190	850	-	-	8	123
3269	15	363	2	110	473	6883	3901	13587	-	-	160	1259
3276	-	-	-	-	20	2936	-	-	-	-	-	-
3277	2	32	2	23	17	1368	106	400	-	-	49	1354
3281	-	-	-	-	8	1987	-	-	-	-	-	-
3283	14	1966	-	-	47	2441	52	193	-	-	6	157
3507	-	-	-	-	1644	119045	34	506	-	-	83	2499
3509	-	-	-	-	1212	112335	1	30	-	-	3	195
3511	-	-	-	-	177	23154	2	95	-	-	-	-
3512	121	1687	25	290	350	7477	2636	17054	-	-	2345	20381
3513	-	-	-	-	85	2470	46	809	-	-	2	65
3514	-	-	-	-	14	739	16	170	-	-	-	-
3515	-	-	-	-	111	2858	4	20	-	-	12	198
3516	-	-	-	-	12	1060	10	52	-	-	-	-
3518	2	15	86	261	228	16272	348	2174	-	-	120	1136
3521	27	2150	-	-	156	14138	18	720	-	-	6	248
3522	17	331	17	198	227	13342	708	3799	-	-	591	6093
3527	-	-	-	-	11	251	-	-	-	-	2	252
3528	13	646	-	-	75	5158	-	-	-	-	-	-
3529	9	50	-	-	111	1532	197	779	-	-	53	448
3533	-	-	-	-	7	185	-	-	-	-	8	77
3539	1	19	-	-	14	713	2	76	-	-	-	-
3541	1	19	-	-	212	3871	27	155	-	-	253	3501
3543	6	55	-	-	390	7942	259	1230	-	-	101	1489
3546	-	-	-	-	9	777	-	-	-	-	-	-
3554	-	-	2	70	84	3834	27	406	-	-	23	279
3556	-	-	-	-	75	2257	11	74	-	-	-	-
3558	1	12	-	-	43	1968	21	144	-	-	1	29
3559	42	1656	1	48	86	2979	189	957	1	5	19	173
3562	-	-	-	-	299	11718	-	-	-	-	-	-
3564	2	6	-	-	59	3821	3	26	-	-	-	-
3567	-	-	-	-	1	84	-	-	-	-	-	-
3571	11	305	-	-	22	454	6	27	-	-	2	50
3576	-	-	-	-	8	306	-	-	-	-	-	-
3577	7	48	-	-	304	4478	956	681	-	-	31	211
3578	-	-	-	-	-	-	3	20	-	-	-	-
3579	54	2047	13	238	143	3204	25	95	-	-	6	210
4000	156	2192	-	-	187	3196	126	89	3	68	57	779
5000	2709	816	110	86	81376	9862	753270	48472	-	-	15001	1264
CUTTING YTD	3830	28194	262	1446	91547	627417	775893	101979	4	72	19451	59534
1010	56	1745	-	-	30	1182	-	-	-	-	-	-
3582	59	206	-	-	16	110	1	1	-	-	3	9
3583	3023	468	107	30	4662	1371	3881	296	12	13	384	160
3584	-	-	-	-	182	16305	-	-	-	-	-	-
3586	33	1082	2	10	272	4953	9	49	-	-	56	865
3587	30	672	-	-	157	2492	-	-	-	-	3	80
3588	11	382	-	-	5	380	-	-	-	-	-	-
3589	94	1964	-	-	223	2430	-	-	-	-	33	752
3591	4	145	2	58	-	-	-	-	-	-	1	4
3592	237	2192	1	3	114	2550	-	-	-	-	3	171
3593	-	-	-	-	9	1013	-	-	-	-	-	-
3594	33	984	4	22	77	9771	-	-	-	-	1	23
3595	10	153	-	-	8	132	1	12	-	-	3	239
3596	49	876	-	-	134	10677	-	-	-	-	25	504
3597	1	14	-	-	85	4158	-	-	-	-	2	33
3598	4	138	1	17	7	224	-	-	-	-	-	-
3599	192	4790	-	-	95	2660	2	454	-	-	12	192
FORMING YTD	3836	15810	117	139	6056	60078	3704	822	12	13	526	3114
ALL TYPES YTD	7666	44004	379	1586	97603	687495	779597	102801	16	85	19977	58652

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE AUGUST

Total and Countries of Origin

The following is a breakdown of the activity by country which is included in the ALL OTHER column on page 4.

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
AZORES	-	-	-	-	-	-
BULGARIA	193	935	-	-	193	935
CYPRUS	-	-	-	-	-	-
FINLAND	234	61	20	8	254	69
GREECE	20	88	-	-	20	88
HUNGARY	12407	1478	8	45	12415	1521
ICELAND	-	-	-	-	-	-
IRELAND	5	41	1	8	6	49
ROMANIA	472	8747	1	15	473	8762
USSR	13	272	-	-	13	272
GIBRALTAR	-	-	-	-	-	-
MALTA	1	8	-	-	1	8
TOTAL	13335	11625	40	76	13375	11701
OTHER N.AC.AM						
BAHAMAS	-	-	-	-	-	-
BARBADOS	-	-	-	-	-	-
BELIZE	-	-	-	-	-	-
BERMUDA	-	-	-	-	-	-
CAYMAN	-	-	-	-	-	-
COSTA RICA	-	-	-	-	-	-
DOMINICAN REP.	-	-	-	-	-	-
FR. W. INDIES	-	-	-	-	-	-
GUATEMALA	-	-	-	-	-	-
HAITI	8	1	-	-	8	1
HONDURAS	-	-	-	-	-	-
JAMAICA	-	-	-	-	-	-
LW & VW IS.	-	-	-	-	-	-
MEXICO	98	133	23	737	121	870
NICARAGUA	-	-	-	-	-	-
N. ANTILLES	-	-	-	-	-	-
PANAMA	-	-	-	-	-	-
SALVADOR	1	2	1	1	2	2
TRINIDAD	-	-	-	-	-	-
TOTAL	107	135	24	738	131	873
OTHER S. AMER						
ARGENTINA	793	496	2	1	795	497
BOLIVIA	-	-	-	-	-	-
BRAZIL	390	9826	43	121	433	9947
CHILE	-	-	-	-	-	-
COLOMBIA	-	-	1	3	1	3
ECUADOR	-	-	-	-	-	-
FRENCH GUIANA	-	-	-	-	-	-
GUYANA	-	-	-	-	-	-
PARAGUAY	-	-	-	-	-	-
PERU	1	26	-	-	1	26
SURINAM	-	-	-	-	-	-
URUGUAY	-	-	-	-	-	-
VENEZUELA	-	-	-	-	-	-
TOTAL	1134	10348	46	124	1180	10473
OTHER ASIA						
AFGHANISTAN	-	-	-	-	-	-
ADEN	-	-	-	-	-	-
ARAB EMIRATES	-	-	-	-	-	-
BAHRAIN	-	-	-	-	-	-
BANGLADESH	1	71	-	-	1	71
BRUNEI	-	-	-	-	-	-
BURMA	-	-	-	-	-	-
CHINA	848	3822	-	-	848	3822
GAZA STRIP	-	-	1	4	1	4
HONG KONG	1010	372	2	6	1012	378
INDONESIA	-	-	-	-	-	-
IRAN	-	-	-	-	-	-
IRAQ	-	-	-	-	-	-
ISRAEL	112	601	96	1808	208	2409
JORDAN	-	-	-	-	-	-
KOREAN REP.	1583	14489	264	75	1847	14564
KUWAIT	-	-	-	-	-	-
LEBANON	4	40	-	-	4	40
MALAYSIA	2	4	-	-	2	4
NEPAL	-	-	-	-	-	-
OMAN	-	-	-	-	-	-
PAKISTAN	-	-	-	-	-	-
PHILIPPINES	-	-	-	-	-	-
QATAR	-	-	-	-	-	-
SAUDI ARABIA	-	-	-	-	-	-
SINGAPORE	1267	14008	42	41	1309	14050
SRI LANKA	-	-	-	-	-	-
SYRIA	-	-	1	1	1	1
THAILAND	-	-	-	-	-	-
TURKEY	-	-	-	-	-	-
YEMEN	-	-	-	-	-	-
TOTAL	4827	23408	406	1936	5233	25343

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER OCEANIA						
FR. PAC. IS.	-	-	-	-	-	-
NEW GUINEA	-	-	-	-	-	-
NEW ZEALAND	-	-	8	224	8	224
TERR. PAC. IS.	-	-	-	-	-	-
OTH. PAC. IS.	-	-	-	-	-	-
TOTAL	-	-	8	224	8	224
OTHER AFRICA						
BOTSWANA	-	-	-	-	-	-
ALGERIA	1	1	-	-	1	1
ANGOLA	-	-	-	-	-	-
BENIN	-	-	-	-	-	-
CAMEROON	-	-	-	-	-	-
CANARY ISLANDS	-	-	-	-	-	-
DAHOMEY	-	-	-	-	-	-
EGYPT	-	-	-	-	-	-
ETHIOPIA	-	-	-	-	-	-
GABON	-	-	-	-	-	-
GHANA	-	-	-	-	-	-
GUINEA	-	-	-	-	-	-
KENYA	-	-	-	-	-	-
LIBERIA	-	-	-	-	-	-
LIBYA	-	-	-	-	-	-
MALAWI	-	-	-	-	-	-
MAURITANIA	-	-	-	-	-	-
MOROCCO	-	-	-	-	-	-
MOZAMBIQUE	-	-	-	-	-	-
NIGER	-	-	-	-	-	-
NIGERIA	-	-	-	-	-	-
REP. S. AFRICA	46	7	5	15	51	22
RWANDA	-	-	-	-	-	-
SENEGAL	-	-	-	-	-	-
SIERRA LEONE	-	-	-	-	-	-
SOMALIA	-	-	-	-	-	-
S. W. AFRICA	-	-	-	-	-	-
SUDAN	-	-	-	-	-	-
SWAZILAND	-	-	-	-	-	-
TANZANIA	-	-	-	-	-	-
TUNISIA	-	-	-	-	-	-
ZIMBABWE	-	-	1	2	1	2
WEST AFRICA	-	-	-	-	-	-
ZAIRE	-	-	-	-	-	-
TOTAL	47	8	6	17	53	25